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US-09-170-496D-32
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Best Local Similarity 99.9
Matches 344; Conservative
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                    NPLLYYFAGENFKDRLKSALRKGHPQKAKTKCVFPVSVWLRKETRV 346
                                                     SHRKALTTIIITLIIFFLCFLPYHTLRTVHLTTWKVGLCKDRLHKALVITLALAAANACF
                                                                                         NGSVTSCLELNLYKIAKLQTMNYIALVVGCLLPFFTLSICYLLIIRVLLKVEVPESGLRV
           NPLLYYFAGENFKDRLKSALRKGHPQKAKTKCVFPVSVWLRKETRV
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                                             SHRKALTTIIITLIIFFLCFLPYHTLRTVHLTTWKVGLCKDRLHKALVITLVLAAANACF
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24.4 344 3 US-08-467-947A 24.3 361 4 US-09-745-842-1 24.3 377 4 US-09-745-842-1 23.7 374 4 US-09-745-842-1 23.5 373 3 US-08-513-9748 23.5 374 4 US-09-102-7108 23.5 374 4 US-09-102-7108 23.3 375 1 US-08-444-5818 23.3 375 1 US-08-444-5818 23.3 375 1 US-08-444-5818 23.3 375 1 US-08-98-749-707-2 23.3 375 2 US-08-99-79-72-2 23.3 375 2 US-08-99-79-72-2 23.3 375 2 US-08-99-79-72-2 23.3 375 3 US-08-99-79-72-2 23.9 342 4 US-09-99-79-72-2 23.9 342 4 US-09-99-79-73-6 22.7 398 1 US-08-472-840-6 22.7 398 1 US-08-472-840-6 22.7 398 2 US-08-476-976-6	24.4.4 344 3 US-08 24.3 361 4 US-09 24.3 377 4 US-09 23.5 373 3 US-08 23.5 374 4 US-09 23.3 375 1 US-08 23.3 375 1 US-08 23.3 375 1 US-08 23.3 375 2 US-08
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## Sequence 2, Application US/09585876 Retent No. 6586205 REMERAL INFORMATION: APPLICANT: Glucksmann, Maria Alexandra APPLICANT: Silos-Santiago, Immaculada ITITLE OF INVENTION: 43239, A No. 6586205el GPCR-Like Molecule and TITLE OF INVENTION: Uses Thereof FILE REFERENCE: 5800-88 CURRENT APPLICATION NUMBER: US/09/585,876 CURRENT FILING DATE: 2000-06-01 EARLIER APPLICATION NUMBER: 60/182,061 EARLIER FILING DATE: 2000-02-11 NUMBER OF SEQ ID NOS: 2 SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO LENGTH: 346 TYPE: PRT ORGANISM: Homo sapiens US-09-585-876-2

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Gaps

240

300 240 180

180

120

60

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COMPUTER: IBM Compact....

ODERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: U9/09/044,404A
FILING DATE: MARCH 19, 1998
CLASSIFICATION UNDER: 08/844,795
PRIOR APPLICATION NUMBER: 08/844,795
FILING DATE: APPLICATION:
APPLICATION NUMBER: 08/844,795
FILING DATE: APPLICATION:
APPLICATION NUMBER: 08/844,795
FILING DATE: APPLICATION:
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: 0H-70001-1
FILECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION: 10-270-5219
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US-09-044-404A-2
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APPLICANT:
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LENGTH: 337 amino acids
TYPE: amino acid
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CORRESPONDENCE ADDRESS:
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TOPOLOGY: lin
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CITY: King of Prussia
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PYHTLRTVHLTTW--KVGLCKD--RLHKALVITLALAAANACFNFLLYYFAGENFKDRLK 317
                                                          HYVSLFVGFIIPEVIIIVCYTMIILTLLKKSMKKN--LSSHKKAIGMIMVVTAAFLVSFM
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HALSEY, WENDY
ELLIS, CATHERINE
AMES, ROBERT
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SARAU, HENRY
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                                                                                                                                                                                                                                                                                                                                                                                  106; Indels 12;
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TITLE OF INVENTION: HUMAN 7-TRANSMEMBRANE RB.
FILE REFERENCE: GH-70001-1D1
CURRENT APPLICATION NUMBER: US/09/586,924
CURRENT FILING DATE: 2000-06-05
PRIOR APPLICATION NUMBER: 09/044,404
PRIOR APPLICATION NUMBER: 08/844,795
PRIOR APPLICATION NUMBER: 08/844,795
PRIOR APPLICATION NUMBER: 08/844,795
PRIOR FILING DATE: 1997-04-22
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US-09-586-924-2
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                                                                            Sequence 44, Application US/08153848 Patent No. 5759804
GENERAL INFORMATION:
APPLICANT: Godiska
APPLICANT: Gray, P.
APPLICANT: Schweik
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SEQ ID NO 2
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Patent No. 6506878
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HALSEY, WENDY
BILLIS, CATHERINE E.
AMES, ROBERT S.
FOLEY, JAMES J.
SARAU, HENRY M.
CHAMBERS, JON
                                                                                                                                                                                                                                                                                     PYHIQRTIHLHFLHNETKPCDSVLRMQKSVVITLSLAASNCCFDFLLYFFSGGNFRKRL-
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Gray, Patrick W.
Schweikart, Vicki
                                        Godiska, Ronald
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RESULT 5
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Sequence 3, Application US/08812871
Patent No. 5955303
GENERAL INFORMATION:
APPLICANT: Au-Young, Janice
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 27.0%; Score 483.5; DB 1; Length 329; Best Local Similarity 34.6%; Pred. No. 2.9e-30; Matches 115; Conservative 63; Mismatches 129; Indels 25
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PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 07/977,452
PILLING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: NO. 5759804and, Greta E.
REGISTRATION NUMBER: 35,302
REGISTRATION NUMBER: 35,302
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TELEX: 25-3856
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/153,848
FILING DATE:
CLASSTEP
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TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
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    RESULT 6
US-09-299-843A-44
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
ATTORNEY LAGRATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
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LENGTH: 339 amino acid
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FILING DATE: Filed Herewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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SOFTWARE: FastSEQ for Windows Version
CURRENT APPLICATION DATA:
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IMMEDIATE SOURCE:
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CORRESPONDENCE ADDRESS:
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APPLICANT: Muzong Chen
TITLE OF INVENTION: NOVEL HUMAN CHEMOKINE RECEPTOR-LIKE
TITLE OF INVENTION: PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LIBRARY: General Street
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                                                                                                                      304 LYYFAGENFKDRLKSAL----RKGHPQKAKTK 331
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                                                                                                                                                                                                                                             -LYR-EKASHHALVSLAVAFTFPFTTTVTCYLLTIRSL-----RQGLRVEKRLKTKAVR
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                                                                                   MYFFVAEKFRHALCNLLCGKRLKGPPPSFEGK 327
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Best Local Similarity
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/088,337
PILING DATE: 01-JUN-1998
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/153,848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 27
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Jill E. Uhl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 17-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0:
FILING DATE: 17-NOV-1992
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
APPLICANT SChweikart, Vo. 6107475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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-LYR-EKASHHALVSLAVAFTFPFITTVTCYLLIIRSL-----ROGLRVEKRLKTKAVR 235
                                                                                                                                               ISADRPLAIVHPVKSLKLRRPLYAHLACAFLWVVVAVAMAPLLVSPQTVQTNHTVVCLQ- 183
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Illinois
                                      TILITLIFFLCFLPYHTLRTVHLTTWKV--GLCKDRLHKALV--ITLALAAANACFNPL 303
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6300 Sears Tower,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                                                           27.0%; Score 483.5; DB 3 34.6%; Pred. No. 2.9e-30; tive 63; Mismatches 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        No. 6107475el Seven Transmembrane Receptors
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                                                                                                                                                                                                                                                                                                                                                                                                                DB 3;
                                                                                                                                                                                                                                                                                                                                                                               129;
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                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local :
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 44:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/088,337B

FILING DATE: 01-Jun-1998

CLASSIFICATION: CUNKNOWN>
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/153,848

FILING DATE: 17-NOV-1993

APPLICATION NUMBER: US 07/977,452

FILING DATE: 17-NOV-1992
                                                                                                                                                                                                                                                                                                              / Match 27.0%; Score 483.5; DB 3; Local Similarity 34.6%; Pred. No. 2.9e-30; les 115; Conservative 63; Mismatches 129;
                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: NO. 6348574and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Godiska, Ronald
191 NLYKIAKLQTMNYIALVVGCLLPFFTLSICYLLIIRVLLKVEVPESGLRVSHR----KALT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
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                                                           LSVVRFLAMVHPFRLLHVTSIRSAWILCGIIWILI-MASSIMLLDSGSEQNGSVTSCLEL
                                                                                                                                               PANVFLMHLAVADLSCVLVLPTRLVYHFSGNHWPFGEIACRLTGFLFYLNMYASIYFLTC
                                                                                                                                                                                      SVNVFMLNLAISDLLFISTLPFRADYYLRGSNWIFGDLACRIMSYSLYVNWYSSIYFLTV 131
                                                                                                                                                                                                                                                                     EMEPNG---TFSNNNSRNCTIEN-FKREFFPIVYLIIFFWGVLGNGLSIYVFLQPYKKST 71
                                                                                                                                                                                                                                EVAPPGLITHFSLATAEQCGQETPLENMLFASFYLLDFILALVGNTLALWLFIRDHKSGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 339 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 6300 Sears Tower, CITY: Chicago STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn Release #1.0, Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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Schweikart, Vicki L.
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RESULT 9
PCT-U993-11153-44

; Sequence 44, Application PC/TUS9311153
; GENERAL INFORMATION:
CAtaka Ronald
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; SEQ ID NO 32
; LENGTH: 339
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-32
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CURRENT APPLICATION UMBER: US/09/170,496D
CURRENT FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
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APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-TITLE OF INVENTION: Receptors
APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
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Pred. No. 2.9e-30;
3; Mismatches 129
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                                       Sequence 2, Application PC/TUS9507180
GENERAL INFORMATION:
APPLICANT: LI, YI
APPLICANT: GOCAYNE, JEANINE D
APPLICANT: RUBEN, STEVEN M
TITLE OF INVENTION: G-PROTEIN RECEPTOR HIBEB69
NUMBER OF SEQUENCES: 9
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
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FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 339 amino acid
                          CORRESPONDENCE ADDRESS
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CITY: CI
STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Noland, Greta E. REGISTRATION NUMBER: 35, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                               -LYR-EKASHHALVSLAVAFTFPFTTTVTCYLLTIRSL-----RQGLRVEKKLKTKAVR
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    CARELLA, BYRNE,
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      BAIN, GILFILLAN, CECCHI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels 25;
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RESULT 11
US-09-170-496D-182
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                                                                                                                                                                                                             Sequence 182, Application US/09170496D Patent No. 6555339 GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/09/170,496D
CURRENT FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
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Best Local Similarity
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INFORMATION FOR SEQ ID NO: 2:
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TOPOLOGY: lin-
OLECTIT
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/07180
FILING DATE: 06-JUNE-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 30,073
REFERENCE/DOCKET NUMBER: 325800-366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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TELEPHONE: 201-994-1700
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                     236 MIAIVLAIFLVCFVPYHVNRSVYVLHYRSHGASCATQRILALANRITSCLTSLNGALDPI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       132 LSVVRFLAMVHPFRLLHVTSIRSAWILCGIIWILI-MASSIMLLDSGSEONGSVTSCLEL 190
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SEQ ID NO 182
LENGTH: 339
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Best Local Similarity
           APPLICATION NUMBER: US/08/
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-0
FILING DATE: 19-AUG-1995
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TYPE: PRT
ORGANISM: Homo sapiens
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MEDIUM TYPE: Floppy
PRIOR APPLICATION DATA:
                                                                                                                                                                                  CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Ohgi, Kazuhiro
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
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APPLICANT:
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                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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o. 6114139
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                                                                                                                                                                                                                                                                                                                                                                     130 Water Street
                                                                                                                                                                                                                                                                                                                      USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Fukusumi, Shoji
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Fujii, Ryo
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                                                                                                                                                                                                    PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                           DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
                                                                                                                                                                                                                                                             Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Shuji
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                                 JP 7-093989
                                                                                                                                                               US/08/513,974B
                                                                                        PCT/JP95/01599
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RESULT 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6:
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PILING DATE: 11-AUG-1945
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: PILING DATE: 16-MAR-PRIOR APPLICATION DATA:
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-5EP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
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TYPE: amino acid
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REFERENCE/DOCKET NUMBER: 45
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                                                                307
                                                                                                                                                                                                                                                       136 VHRYTGVVHPLKSLGRLKKKNÄVYVSSLVWALVVÄVIAPILFYSGIGVRUNKTIT-CYDT 194
                                                                                                                                                                                                                                                                                     134 VVRFLAMVHPFRLLHVTSIRSAWILCGIIWILIMASSIMLL---DSGSE()NGSVTSCLE- 189
                                                                                           299 CFNPLLYYFAGENFKDRLKSALRK 322
                                                                                                                                                                                                                                                                                                                     76 SVYMENLALADELYVLTLPALIEYYFNKTDWIFGDVMCKLQREIEHVNLYGSILFLTCIS
                                                                                                                                                                                                                                                                                                                                         16 ELLAGGWAAGNATTKCSLTKTGFQFYYLFTVYILVFITGFLGNSVAIWM!VFHMRPWSGI 75
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Similarity 30.6%;
99; Conservative 82
                                                                                                                                                                                          TADEYLRSYFVYSMCTTVFMFCI----PFIVILGCYGLIVKALIYKDLDNSPLR---RK
                                                                                                                                                        ALTTIIITLIIFFLCFLPYHTLRTVHL-----TTWKVGLCKDRLHKALVITLALAAANA 298
                                                                                                                                                                                                                   -----LNLYKIAKLQTMNYIALVVGCLLPFFTLSICYLLIIRVLLKVEVPESGLRVSHRK 244
                                                               CVDPILYFLAGDTFRRRLSRATRK 330
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                                                                                                                          STYLVIIVLTVFAVSYLPFHVMKTLNLRARLDFQTPQMCAFNDKVYATY()VTRGLASLNS
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Pred. No. 1e-28;
2; Mismatches 117;
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; Sequence 2, Application US/()
Patent No. 6010877
; GENERAL INFORMATION:
APPLICANT: Sathe, Ganesh
APPLICANT: Van Horn, Sto
APPLICANT: Bergsma, Der);
APPLICANT: Mac, Joyce Y,
TITLE OF INVENTION: CDN
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 370 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS:
TOPOLOGY: 11r
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION: TELEPHONE: 610-270-5219
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: FastSEQ for Windows Version CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM CON
OPERATING SYSTEM:
SOFTWARE: FastSE(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 709 Swederand CITY: King of Prussia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: William T. Han, REGISTRATION NUMBER: 34,344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/781,250 FILING DATE: 10-JAN-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: US
ZIP: 19406
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25.0%; Score 447.5; DB 3; sal Similarity 31.6%; Pred. No. 2e-27; 109; Conservative 74; Mismatches 141;
                                                                                                                                                                             180 NVNNATTTCFEGFSKRVWKTYLSKITIFIEVVGFIIPLILNVSCSSVVLRTLRK-PATLS
                                                                                                                                                                                                                                                                      120 TNIYGSMLFLTCISVDRFLAIVYFFRSRTIRTRRNSAIVCAGVWILVLSGGISASLFSTT
                                                                                                                                                                                                                                                                                                                120 VNMYSSIYFLTVLSVVRFLAMVHPFRLLHVTSIRSAWILCGIIWILIMASSIML-LDSGS
                                                                                                                                                                                                                                                                                                                                                          61 LEVECERMINARSETATETTILAVSDILEVCTLPEKT-EYNENRHWEEGDTLCKISGTAFL 119
                                                                                                                                                                                                                                                                                                                                                                                                       60 IYVFLQPYKKSTSVNVFMLNLAISDLLFISTLPFRADYYLRGSNWIFGDLACRIMSYSLY 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 ERKEMSLOPSISVSEMEPN-GTFSNNNSRNCTI-ENFKREFFPIVYLIIFFWGVLGNGLS
                                          LAAANACENPLLYYFAGENFKD-----RLKSALRKGHPQKAK 329
                                                                                        QIGTNKKKVĹKMÍTVHMAVÉVVĆÉVĖÝNSVLELYALVRSQAITNCELEŘEAKIMYPÍTÍC
                                                                                                                                GLRVSHRKALTTIIITLIIFFLCFLPYHTLRTVHLTTWKVGLCK---DRLHKALV-ITLA
                                                                                                                                                                                                                     EQNGSVTSCLELNLYKIAK--LQTMNYIALVVGCLLPFFTLSICYLLIIRVLLKVEVPES
                                                                                                                                                                                                                                                                                                                                                                                                                                                     DRRFIDFOFODSNSSLRPRLGNATANNT--CIVDDSFKYNLNGAVYSVVFILGLITNSVS
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LATLNCCFDFFIYYFTLESFQKSFYINAHIRMESLFKTETPLTTK 343
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709 Swedeland Road
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linear
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Bergsma, Derk
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RESULT 15
US-08-559-524A-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 14
US-09-745-842-14
                                                                                                                            Sequence 4, Application US/08559524A
Patent No. 5871963
GENERAL INFORMATION:
APPLICANT: Conley, Pamela B.
APPLICANT: Jantzen, Hans-Michael
TITLE OF INVENTION: NOVEL PURINERGIC RECEPTOR
NUMBER OF SEQUENCES: 14
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Best Local Similarity
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: 44481-5053-US
CURRENT APPLICATION NUMBER: US/09/745,842
CURRENT FILING DATE: 2000-12-26
PRIOR APPLICATION NUMBER: US 60/171,622
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: P2Y1 purinergic receptor; p2yr
                                                                                                                CORRESPONDENCE ADDRESS
                                   STREET: 1800 M Strair: Washington
COUNTRY: USA
ZIP: 20036-5869
                                                                             ADDRESSEE: MORGAN, LEWIS & BOCKIUS LLP STREET: 1800 M Street, N.W.
                                                                                                                                                                                                                                                                                                                                              324
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ANT: Conley, Pamela B.
ANT: Jantzen, Hans-Michael
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              102;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       93 LALADELYVLTLEALIFYYFNKTDWIFGDAMCKLQRFIFHVNLYGSILFLTCISAHRYSG 152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          80 LAISDLLFISTLPFRADYYLRGSNWIFGDLACRIMSYSLYVNWYSSIYFLTVLSVVRFLA 139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 33 TAAVSSSFKCALTKTGFQFYYLPAVYILVFIIGFLGNSVAIMMFVFHMKPWSGISVYMFN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22 TFSNNNGRNC--TIENFKREFFPIVYLIIFFWGVLGNGLSIYVFLQPYKKSTSVNVFMLN 79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NLYKIAKLOTMNYIALVVGCLLPFFTLSICYLLIIRVLLKVEVPESGLRVSHRKALTTII 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                  TLIIFFLCFLPYHTLRTVHLTT----WKVGLC--KDRLHKALVITLALAAANACENPLL 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VVYPLKSLGRLKKKNAICISVLVWLIVVVAISPILFYSGTGVRKNKTIT-CYDTTSDEYL
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                                                                                                                                                                                                                                                                                                                                                                             YYFAGENFKDRLKSALRK 322
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Search completed: March 18, 2005, 16:22:32 Job time: 33.2456 secs
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24.7%; Score 442; DB 2;
Best Local Similarity 31.0%; Pred. No. 5.5e-27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 202-467-7176
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/559,524A
FILING DATE: 15-NOV-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION: TELEPHONE: 202-467-7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Adler, Reid G.
REGISTRATION NUMBER: 30,988
REFERENCE/DOCKET NUMBER: 04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: protein
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TOPOLOGY: lir
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                                                                                                                                                                 276 FHVMKIMNLRARLDFQTPEMCAFNDRVYATYQVTRGLASLNSCVDPILYFLAGDTFRRRL 335
                                                                                      336 SRATRK 341
                                                                                                                          317 KSALRK 322
                                                                                                                                                                                                                                                     222
                                                                                                                                                                                                                                                                                        203 YIALVVGCLLPFFTLSICYLLIIRVLLKVEVPESGLRVSHRKALTTIIITLIIFFLCFLP 262
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       95;
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                                                                                                                                                                                                                                                   --TVAMFC-VPLVLILGCYGLIVRALIYKDLDNSPLR---RKSIYLVIIVLTVFAVSYIP 275
                                                                                                                                                                                                                                                                                                                                   KKNAVYISVLVWLIVVVGISPILFYSGTGIRKNKTIT-CYDTTSDEYLRSYFIYSMCT--
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TKTGFQFYYLPAVYILVFIIGFLGNSVAIMMFVFHMKPWSGISVYMFNLALADFLYVLTL 104
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Minimum DB
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Maximum Match 100%
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                     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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3: pir3:*
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            chemokine (C-C) re proteinase activat macrophage inflamm G protein-coupled probable chemoattr G protein-coupled lymphocyte-specifi G protein-coupled G protein-coupled MIP-1 alpha recept somatostatin recept somatostatin recept G protein-coupled MIP-1 alpha recept somatostatin recept somatostatin recept somatostatin recept G protein-coupled
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platelet-activatin
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S337/3

G protein-coupled receptor - chicken

C;Species: Gallus gallus (chicken)

C;Species: Gallus gallus (chicken)

C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 09-Jul-2004

C;Accession: S33733

R;Rebb, T.E.; Simon, J.; Krishek, B.J.; Bateson, A.N.; Smart, T.G.; King, B.F.; Burnstocky

R;Rebb, T.E.; Simon, J.; Krishek, B.J.; Bateson, A.N.; Smart, T.G.; King, B.F.; Burnstocky

R;Rebs, Tett. 324, 219-225, 1993

A;Title: Cloning and functional expression of a brain G-protein-coupled ATP receptor.

A;Reference number: S33733; MUID:93285340; PMID:8508924

A;Accession: S33733; MUID:93285340; PMID:8508924
JC5549
heptahelical P2Y5-like receptor - human
C;Species: Homo sapiens (man)
C;Date: 02-Sep-1997 #sequence_revision 05-Sep-1997 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Status: preliminary
A;Molecule type: mRNA
A;Molecule type: mRNA
A;Residues: 1-362 <WEB>
A;Cross-references: UNIPROT:P34996; EMBL:X73268; NID:g395084; PIDN:CAA51716.1; PID:g39508
C;Superfamily: ATP receptor P2u
C;Keywords: G protein-coupled receptor; transmembrane protein
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## ALIGNMENTS

Query Match Best Local Similarity 30.6%; Pred. No. 6.1e-31; Matches 99; Conservative 84; Mismatches 115; Indels 26; Gaps  Qy 16 EMEPNGTFSNNNSRNCTIENFKREFEPIVYLIIFFWGVLGNGLSIYVFLQPYKKSTSV			
Query Ma Best Loc Matches		307 CVDPILYFLAGDTFRRRLSRATRK 330	
Matches		299 CFNPLLYYFAGENFKDRLKSALRK 322	
Query Ma Best Loc Matches	AFNDKVYATYQVTRGLASLNS	247 SIYLVIIVLTVFAVSYLPFHVMKTLNLRARLDFQTPQMC	
Query Ma Best Loc Matches	ELCKDRLHKALVITLALAAANA 298	245 ALTTIIITLIIFFLCFLPYHTLRTVHLTTWKVG	
Query Ma Best Loc Matches	IVKALIYKDLDNSPLRRK	195 TADEYLRSYFVYSMCTTVFMFCIPFIVILGCYGL	
Query Match Best Local: Matches 9: Matches 16 16 74 76	JIRVLLKVEVPESGLRVSHRK	190LNLYKIAKLQTMNYIALVVGCLLPFFTLSICYLL:	
Query Ma Best Loc Matches	LFYSGTGVRRNKTIT-CYDT	136 VHRYTGVVHPLKSLGRLKKKNAVYVSSLVWALVVAVIAP	
Query Match Best Local: Matches 16 16 74	ILLDSGSEQNGSVTSCLE-	134 VVRFLAMVHPFRLLHVTSIRSAWILCGIIWILIMASSIM	
Query Match Best Local & Matches 9: 16	TQRFIFHVNLYGSILFLTCIS		망
Query Match Best Local Matches 9	MSYSLYVNMYSSIYFLTVLS	74 NVFMLNLAISDLLFISTLFFRADYYLRGSNWIFGDLACR	Ş
Query Match Best Local Matches 9	FLGNSVAIWMFVFHMRPWSGI	16 ELLAGGWAAGNATTKCSLTKTGFQFYYLFTVYILVFITG	망
Query Match 26.3%; Score 470; DB 2; Length 362; Best Local Similarity 30.6%; Pred. No. 6.1e-31; Matches 99; Conservative 84; Mismatches 115; Indels 26; Gaps	WIGNGLSIYVFLQPYKKSTSV	16 EMEPUGTESUNUSRUCTIENFKREFFPIVYLIIFFWG	γ
	Length 362; Indels 26; Gaps	26.3%; Score 470; DB 2; lal Similarity 30.6%; Pred. No. 6.1e-31; 99; Conservative 84; Mismatches 115;	Query Ma Best Loc Matches

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G protein-coupled receptor 6H1 - chicken
N;Alternate names: purinoceptor 6H1
C;Species: Gallus gallus (chicken)
C;Bete: 13-Sep-1996 #sequence_revision 13-Sep-1996 #text_change 09-Jul-2004
C;Accession: I50241; JC4618
R;Kaplan, M.H.; Smith, D.I.; Sundick, R.S.
J. Immunol. 151, 628-636, 1993
A;Title: Identification of a G protein coupled receptor induced in activated T ce
A;Reference number: I50241; MUID:93329058; PMID:8393036
A;Accession: I50241; MUID:93329058; PMID:8393036
A;Accession: I50241; MUID:93329058; PMID:8393036
A;Accession: I50241; MUID:93329058; PMID:8393036
A;Accession: I50241; MUID:93329058; PMID:8393036
A;Residues: 1-308 cKAP>
A;Residues: 1-308 cKAP>
A;Coss-references: UNIPROT:P32250; GB:L06109; NID:g304383; PIDN:AAB06587.1; PID:
A;Fitle: Identification of 6H1 as a P2Y purinoceptor: P2Y5.
A;Reference number: JC4618; MUID:96190677; PMID:8619790
A;Accession: JC4618
F;89-109/Domain:
      C;Superfamily: ATP receptor P2u
C;Keywords: G protein-coupled receptor; transmembrane protein
F;15-40/Domain: transmembrane #status predicted <TM1>
F;51-74/Domain: transmembrane #status predicted <TM2>
                                                                                                                                                      A;Molecule type: mRNA
A;Residues: 1-308 <mEB>
A;Cross-references: GB:L06109; NID:g304383;
A;Experimental source: T-cells
C;Comment: This receptor plays a role in T-c
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R;Janssens, R.; Boeynaems, J.M.; Godart, M.; Communi, D.
Biochem. Biophys. Res. Commun. 236, 106-112, 1997
A;Title: Cloning of a human heptahelical receptor closely
A;Reference number: JC5549; MUID:97366605; PMID:9223435
A;Accession: JC5549
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A; Residues: 1-370 < JAN>
                                                                                                                 ;Gene: p2Y5
                                                                                                                                    Genetics:
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Pred. No. 4.2e-29;
'4; Mismatches 141;
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                                                                                                                                                 T-cell
                                                                                                                                                                                         PIDN:AAB06587.1;
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F;177-201/Domain: transmembrane #status
F;227-248/Domain: transmembrane #status
F;269-292/Domain: transmembrane #status
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              KTLRTKRNARIVCVAVWITVLAGSTPASFFQSTNRQNNTEQRTCFE-NFPESTWKTYLSR 180
                                                                                                                                    LHVTSIRSAWILCGIIWILIMASSI----MLLDSGSEQNGSVTSCLELNLYKIAKLQTMNY 203
VPYNITLILYSLMRT---QTWINCSVVTAVRTMYPVTLCIAVSNCCFDPIVYYFTSD
                                                      IVIFIEIVGFFIPLILNVTCSTMVLRTLNK-PLTLSRNKLSKKKVLKMIFVHLVIFCFCF
                                                                             IAL---VVGCLLPFFTLSICYLLIIRVLLKVEVPESGLRVSHRKALTTIIITLIIFFLCF 260
                                                                                                                                                                 FVFTLPFRI-YYFVVRNWPFGDVLCKISVTLFYTNMYGSILFLTCISVDRFLAIVHPFRS
                                                                                                                                                                                          FISTLPFRADYYLRGSNWIFGDLACRIMSYSLYVNWYSSIYFLTVLSVVRFLAMVHPFRL 146
                                                                                                                                                                                                                      SSNCSTEDSFKYTLYGCVFSMVFVLGLIANCVAIYIFTFTLKVRNETTTYMLNLAISDLL
                                                                                                                                                                                                                                                SRNCTIB-NEKREFFFIVYLIIFFWGVLGNGLSIYVFLQPYKKSTSVNVFMLNLAISDLL
                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                           25.0%;
                                                                                                                                                                                                                                                                                 53;
                                                                                                                                                                                                                                                                                            Score 447; DB 2;
Pred. No. 3.9e-29;
                                                                                                                                                                                                                                                                              Mismatches 119;
                                                                                                                                                                                                                                                                                                                                  predicted
predicted
predicted
predicted
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 293
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                                                                                                                                                                  121
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JC4737 G prot

G protein-coupled receptor P2Y1 - human
N;Alternate names: P2Y1 purinergic receptor; P2Y1 purinoceptor
C;Species: Homo sapiens (man)
C;Date: 10-May-1996 #sequence revision 16-Aug-1996 #text\_change 09-JulC;Accession: JC4737; JC4615; S54253
R;Janssens, R.; Communi, D.; Pirotton, S.; Samson, M.; Parmentier, M.;
Biochem. Biophys. Res. Commun. 221, 588-593, 1996
A;Title: Cloning and tissue distribution of the human P2Y1 receptor. #text\_change 09-Jul-2004 Boeynaems, ٠, ٣.

A;Reference number: JC4737; MUID:96205320; PMID:8630005 A;Accession: JC4737

A; Molecule type: DNA A; Residues: 1-373 < JAN>

R;Ayyanathan, K.; Webbs, T.E.; Sandhu, A.K.; Athwal, R.S.; Biochem. Biophys. Res. Commun. 218, 783-788, 1996
A;Title: Cloning and chromosomal localization of the human A;Reference number: JC4615; MUID:96138962; PMID:8579591 A; Cross-references: UNIPROT: P47900; GB:S81950; NID:g1839438; PIDN:AAB47091.1; PID:g18394: hu, A.K.; Athwal, R.S.; Barnard, E.A.; Kunapuli, S.P. P2Y1 purinoceptor

A; Accession: JC4615

A; Molecule type: mRNA
A; Molecule type: mRNA
A; Residues: 1-373 < AYY>
A; Cross-references: GB: 142029; NID: g1147730; PIDN: AAA3978
A; Experimental source: erythro leukemia cells
R; Leon, C.; Vial, C.; Cazenave, J.; Gachet, C.
submitted to the EMBL Data Library, May 1995
A; Description: Cloning of a human putative P2Y receptor.
A; Reference number: S54253 PIDN:AAA97872.1; PID:g1147731

A;Status: preliminary

A;Molecule type: mRNA
A;Residues: 1-137,139-373 <LEO>
A;Cross-references: EMBL:Z49205;
C;Comment: This receptor belongs ;Genetics: NID:g798835; PIDN:CAA89066.1; PID:g798836 to a family of G protein-coupled receptor receptors. It responds

A;Gene: p2Y1; GDB:P2RY1 A;Cross-references: GDB:677125; OMIM:601167

A;Map position: 3pter-3qter C;Superfamily: ATP receptor P2u

C;Superfamily: ATP receptor P2u
C;Keywords: G protein-coupled receptor; glycoprotein; phosphoprotein; transmembrane
F;52-77/Domain: transmembrane #status predicted <TML>
F;88-111/Domain: transmembrane #status predicted <TML> transmembrane #status predicted <TM3>

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C;Species: Bos primigenius taurus (cattle)
C;Species: 12-Oct-1995 #sequence_revision 10-Nov-1995 #text_change 09-Jul
C;Accession: JC4162
R;Henderson, D.J.; Elliot, D.G.; Smith, G.M.; Webb, T.E.; Dainty, I.A.
Biochem. Biophys. Res. Commun. 212, 648-656, 1995
A;Title: Cloning and characterisation of a bovine P2Y receptor.
A;Reference number: JC4162; MUID:95352058; PMID:7626079
A;Accession: JC4162; MUID:95352058; PMID:7626079
A;Accession: JC4162; MUID:95352058; PMID:7626079
A;Accession: JC4162; MUID:95352058; NID:g1032484; PIDN:CA
A;Cross-references: UNIPROT:P48042; EMBL:X87628; NID:g1032484; PIDN:CA
A;Experimental source: aoxtic endothelial cell
C;Genetics:
A;Ene: bovp2y
C;Superfamily: ATP receptor P2u
C;KGywords: glycoprotein; phosphoprotein; receptor; transmembrane
F;S2-77/Domain: transmembrane #status predicted <TM1>
F;188-111/Domain: transmembrane #status predicted <TM3>
F;191-191/Domain: transmembrane #status predicted <TM5>
F;214-237/Domain: transmembrane #status predicted <TM5>
F;214-238/Domain: transmembrane #status predicted <TM5>
F;214-237/Domain: transmembrane #status predicted <TM5>
F;214-237/Domain: transmembrane #status predicted <TM5>
F;214-237/Domain: transmembrane #status predicted <TM5>
F;305-328/Domain: transmembrane #status predicted <TM5>
F;311,27,113,197/Binding site: carbohydrate (Asn) (covalent) #status pr
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F;214-237/Domain: transmembrane #status predicted <TM5>
F;261-282/Domain: transmembrane #status predicted <TM6>
F;261-282/Domain: transmembrane #status predicted <TM6>
F;305-328/Domain: transmembrane #status predicted <TM7>
F;3105-328/Domain: transmembrane #status predicted <TM7>
F;11,27,113,197/Binding site: carbohydrate (Asn) (covalent) #status predicted F;258,336/Binding site: phosphate (Ser) (covalent) (by protein kinase A) #status predict F;330,339/Binding site: phosphate (Thr) (covalent) (by protein kinase C) #status predict F;330,339/Binding site: phosphate (Thr) (covalent)
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igpecies: Bos primigenius taurus (cattle)
pate: 12-Oct-1995 #sequence_revision 10-Nov-1995 #text_change 09-Jul-2004
                                                                            Matches
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TIENFKREFFPIVYLIIFFWGVLGNGLSIYVFLQPYKKSTSVNVFMLNLAISDLLFISTL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                YFLAGDTFRRRLSRATRK 341
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                                                                                              24.7%;
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                                                                          78;
                                                                       Score 442; DB 2;
Pred. No. 1.2e-28;
8; Mismatches 109;
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                                                                                                                 Length 373
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B45680

G protein-coupled peptide receptor EBI 2 - human

C;Species: Homo sapiens (man)

C;Date: 21-Sep-1993 #sequence_revision 18-Nov-1994 #text_change 09-Jul-2004

C;Accession: B45680

C;Accession: B45680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Cross-references: UNIPROT:P32249; GB:L08177; NID:g292056; PIDN:AAA35924.1; PID:g292057
A;Experimental source: B-lymphocytes
A;Experimental source: B-lymphocytes
A;Note: sequence extracted from NCBI backbone (NCBIN:127096, NCBIP:127097)
A;Superfamily: ATP receptor P2u
C;Keywords: G protein-coupled receptor; transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Title: Epstein-Barr virus-induced genes: A;Reference number: A45680; MUID:93188173; A;Accession: B45680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Status: preliminary
A;Molecule type: nucleic acid
A;Residues: 1-361 <BIR>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R;Birkenbach, M.; Josefsen, K.; Yalamanchili, R.; Lenoir, J. Virol. 67, 2209-2220, 1993
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Best Local :
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308
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         n 24.6%; Score 440; DB 2; I
Similarity 32.1%; Pred. No. 1.7e-28;
D2; Conservative 63; Mismatches 135;
                                                                                                                                            TLIIFFLCFLPYHTLRTVHLTTWKVGL-----CKDR--LHKALVITLALAAANACFNPLL 304
                                                                                                                                                                                                                                             KLQTMNYIALVVGCLLPFFTLSICYLLIIRVLLKVE-----VPESGLRVSHRKALTTIII
                                                                                                                                                                                                                                                                                                                                           AMVHPFRLLHVTSIRSAWILCGIIWILIMASSI-MLLDSGSEQNGSVTSCLEL-NLYKIA 196
                                                                                                                                                                                                                                                                                                                                                                                              NLVISDILFTTALFTRIAYYAMGFDWRIGDALCRITALVFYINTYAGVNFMTCLSIDRFI
                                                                                                                                                                                                                                                                                                                                                                                                                                          NLAISDLLFISTLPFRADYYLRGSNWIFGDLACRIMSYSLYVNMYSSIYFLTVLSVVRFL 138
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                                                                                              IIVVFVLCFTPYHVAIIQHMIK-KLRFSNFLECSQRHSFQISLHFTVCLMNFNCCMDPFI
                                                                                                                                                                                            SLPWILLGACFIGYVLPLIILICYSQICCKLPRTAKQNPLTEKSGV---NKKALNTIIL
                                                                                                                                                                                                                                                                                             AVVHÞLRYNKIKRIEHAKGVCIFVWILVFAQTLPLLINPMSKQEABRITCMEYPNFBBTK 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PNGTFSNMNSRNCTIENFKREFFPIVYLIIFFWGVLGNGLSIYVFLQPYKKSTSVNVFML
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                                                YYFAGENFKDRLKSALRK
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  325
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PMID:8383238
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C;Accession: A47556
R;Lustig, K.D.; Shiau, A.K.; Brake, A.J.; Julius, D.
Proc. Natl. Acad. Sci. U.S.A. 90, 5113-5117, 1993
A;Title: Expression cloning of an ATP receptor from mouse neuroblastoma A;Reference number: A47556; MUID:93281707; PMID:7685114
A;Accession: A47556
                                                                                                                                                                                                    A;Cross-references: UNIPROT:P35383; GB:L14751; NID:g309457; PIDN:AAA39871.1; C;Superfamily: ATP receptor P2u C;Keywords: transmembrane nrotein
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A; Cross-refe
C; Genetics:
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C;Superfamily: ATP receptor P2u
C;Keywords: G protein-coupled receptor; transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATP receptor P2u - mouse
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N;Alternate names: G-protein coupled receptor
C;Species: Homo sapiens (man)
C;Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 09-Jul-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Species: Mus musculus (house mouse)
Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change
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Best Local Similarity 32.0:
98; Conservative
                                                                                                Matches
                                                                                                                        Query Match
Best Local Similarity
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erences: UNIPROT:P43657;
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  SEMEP----NGTFSNNN-SRNCTI-ENFKREFFPIVYLIIFFWGVLGNGLSIYVFLQPY 67
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                                                                                          23.6%; ilarity 31.6%; Conservative 6
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                                                                                          Score 421.5; I
Pred.'No. 5.6e-
59; Mismatches
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Pred. No. 3.4e-28;
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                                                                                                                     .6e-27;
                                                                                                                                            DB 2;
                                                                                             131;
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                                                                                          Indels
                                                                                                                                            Length
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R;Honda, Z.; Nakamura, M.; Miki, I.; Minami, M.; Watanabe, T.; Se Nature 349, 342-346, 1991
A;Title: Cloning by functional expression of platelet-activating A;Reference number: S13638; MUID:91101726; PMID:1846231
A;Accession: S13638
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Cross-references: UNIPROT:P21556; GB:X56736; NID:g49442; PIDN:CAA40060.1; PID:g49443 A;Note: the species of guinea pig is not identified; in GenBank entry CCPAFREC, releas. C;Superfamily: ATP receptor P2u
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                                                                                                                             LCFLPYHTLRTVHLTTWKVGLCKDRLHKAL----VITLALAAANACFNPLLYYFAGENFK 313
                                                                                                                                                                                                                                                                                                      RLLHVTSIRSAWILCGIIWILIM--ASSIMLLD-----SGSEQNGSVTSCLELNLYKIAK 197
  KHLSEKL-
                                           DRIKSALRKGHPQKAKTKC
                                                                                                                                                                        PVLIIHICIVLGFFIVFLLILFCNLVIIHTLLRQPVKQQRNAEVRRALWMVCTVLAVFV 242
                                                                                                                                                                                                               LQTMNYIALVVGCLLPFFTLSICYLLIIRVLLKVEVPESGLRVSHRKALTTIIITLIIFF 257
                                                                                                                                                                                                                                                               KTAQATTRKRGIALSLVIWVAIVAAASYFLVMDSTNVVSNKAGSGNITRCFE-HYEKGSK 182
                                                                                                                                                                                                                                                                                                                                                                                           LLFISTLFFRADYYLRGSNWIFGDLACRIMSYSLYVNMYSSIYFLTVLSVVRFLAMVHPF 144
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ANSCLDPVLYFLAGQ----RLVRFARDAKPPTEPT
                                                                                      ICFVPHHMVQ-LPWTLAELGMWPSSNHQAINDAHQVTLCLLSTNCVLDPVIYCFLTKKFR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CHDTSARELFSHFVA-----YSSVMLGLLFAVPFSVILVCYVLMARRLLKPAYGTTGGL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ANACENPLLYYFAGENFKDRLKSALRKGHPQKAKT
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  -NIMRSSOKC
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317
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platelet-activating factor receptor - human
C;Bgccles: Homo Bapiens (man)
C;Date: 28-Aug-1992 #sequence_revision 28-Aug-1992 #text_change 09-Jul-2004
C;Accession: A40191; JH0479; A41079; JCl359; A42831; I51923
R;Kunz, D.; Gerard, N.P.; Gerard, C.
J. Biol. Chem. 267, 9101-9106, 1992
A;Title: The human leukocyte platelet-activating factor receptor. cDNA cloning, c
A;Reference numbor: A40191; MUID:92250505; PMID:1374385
A;Accession: A40191; MUID:92250505; PMID:1374385
A;Accession: A40191
A;Molecule type: mRNA
A;Rosidues: 1-342 <KUN>
A;Cross-references: UNIPROT:P25105; GB:M76674; NID:9456293; PIDN:AAA60002.1; PID:
B;Ye, R.D; Prosenitz, E.R.; Zou, A.; Cochrane, C.G.
Biochem. Biophys. Res. Commun. 180, 105-111, 1991
A;Reference number: JH0479; MUID:92028922; PMID:1658963
A;Accession: JH0479; MUID:92028922; PMID:1658963
A;Accession: JH0479; MUID:92028922; PMID:1658963
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A.Title: Cloning and expression of a human P-2U nucleotide receptor, a target for A;Roference number: A54946; MUID:94211846; PMID:8159738
A;Accession: A54946
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A40191
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C;Superfamily: ATP receptor P2u
C;Keywords: G protein
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A/Note: parts of this sequence were
C/Genetics:
                                                               A; Molecule type: mRNA
A; Residues: 1-342 < YER>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Status: preliminary
;Cross-references: GB:M80436; NID:g189537; PIDN:AAA60001.1; PID:g189538
;Experimental source: granulocyte, cell line HL-60 all
;Nakamura, M.; Honda, Z.; Izumi, T.; Sakanaka, C.; Mutoh, H.; Minami, M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;Species: Homo sapiens (man)
;Date: 11-Nov-1994 #sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Q----RLVRFARDAKP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -RFVAYSSVMLGLLFAVPFAVILVCYVLMARRLLKPAYGTSGGLPRAKRKSVRTIAVVLA
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  H.; Minami, M.;
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A;Molecule type: DNA
A;Residues: 1-226, 'TG', 229-342 <SEY>
A;Residues: 1-226, 'TG', 229-342 <SEY>
A;Residues: 1-226, 'TG', 219-342 <SEY>
A;Residues: 1-226, 'TG', 219-342 <SEY>
A;Residues: GE:M88177; NID:g190697; PIDN:AAA60214.1; PID:g190698
A;Note: sequence extracted from NCBI backbone (NCBIN:109813, NCBIP:109814)
R;Chase, P.B.; Halonen, M.; Regan, J.W.
Am. J. Respir. Cell Mol. Biol. 8, 240-244, 1993
A;Title: Cloning of a human platelet-activating factor receptor gene: evidence for an A;Reference number: IS1923; MUID:93192035; PMID:8383507
A;Accession: IS1923
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A;Title: The human platelet-activating factor receptor gene (A;Reference number: A42831; MUID:92347886; PMID:1322356
A;Accession: A42831
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A;Title: Molecular cloning and characterization of the platelet-activating factor receptors, Research and Commun. 189, 617-624, 1992
A;Reference number: JC1359; MUID:93112021; PMID:1281995
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A;Title: Molecular cloning and expression of platelet-activating A;Reference number: A41079; MUID:92041873; PMID:1657923
A;Accession: A41079
A;Status: not compared with conceptual translation
A;Molecule type: mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           F;134-155/Domain: transmembrane #status predicted <TIV-
F;184-205/Domain: transmembrane #status predicted <TRV-
F;233-253/Domain: transmembrane #status predicted <TVI-
F;277-297/Domain: transmembrane #status predicted <VII-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C;Keywords: G protein-coupled receptor; transmembrane | F;17-38/Domain: transmembrane #status predicted <TRI>F;54-75/Domain: transmembrane #status predicted <TII>F;92-113/Domain: transmembrane #status predicted <III>F;92-113/Domain: transmembrane #status predicted <III
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A;Residues: 1-315,'N',317-342 <SUG:
A;Experimental source: heart
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C;Superfamily: ATP receptor P2u
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A,Cross_references: GB:856396; NID:g298580; PIDN:AAB25755.1; PID:g298581
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233
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MVCTVLAVFIICFVPHHVVQ-LPWTLAELGFQDSKFHQAINDAHQVTLCLLSTNCVLDPV
                                                                                                                                                                                               LELNLYKIAKLQTMNYIALVVGCLLPFFTLSICYLLIIRVLLKVEVPESGLRVSHRKALT
                                                                                                                                                                                                                                                                                                                                                            VRFLAMVHPERLLHVTSIRSAWILCGIIWILIM--ASSIMLLDS-----GSEQNGSVTSC 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEPNGTFSNNNSRNCTIENFKREFFPIVYLIIFFWGVLGNGLSIYVF--LQPYKKSTSVN 74
                                                                    TIIITLIIFFLCFLPYHTLRTVHLTTWKVGLCKDRLHKAL----VITLALAAANACFNPL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEPHDS-SHMDS-----EFRYTLFPIVYSIIFVLGVIANGYVLWVFARLYPCKKFNEIK 53
                                                                                                                                         FE-HYEKGSVPVLIIHIFIVFSFFLVFLIILFCNLVIIRTLLMQPVQQQRNAEVKRRALW
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platelet activating factor receptor - mouse (Species: Mus musculus (house mouse) (?Species: Mus musculus (house mouse) (?pate: 28-Oct-1996 #sequence_revision 13-Mar-1997 #text_change 09-Jul-2004 (?Accession: $63666 R;Ishii, S.; Matsuda, Y.; Nakamura, M.; Waga, I.; Kume, K.; Izumi, T.; Shim: Blochem. J. 314, 671-678, 1996 R;Ishile: A murine platelet-activating factor receptor gene: cloning, chromos A;Reference number: $63666; MUID:96239129; PMID:8670084 A;Accession: $63666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cnrombin receptor - African clawed frog
C;Species: Xenopus laevis (African clawed frog)
C;Date: 13-Sep-1996 #sequence_revision 13-Sep-1996 #text_change 09-Jul-2004
C;Accession: I51667
R;Gerszten, R.E.; Chen, J.; Ishii, M.; Ishii, K.; Nanevicz, T.; Turck, C.W.
Nature 368, 648-651, 1994
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                                                                                                                                                                 A; Molecule type: DNA A; Residues: 1-341 <ISH>
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A;Cross-references: UNIPROT:P47749; EMBL:U09632; NID:g495197; PIDN:AAA18498.1; PID:g4951
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Superfamily: ATP receptor P2u
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MEPNGTFSNNNSRNCTIENFKREFFPIVYLIIFFWGVLGNGLSIYVF--LQPYKKSTSVN
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                                                                       22.6%;
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                                                      Score 404; DB 2;
Pred. No. 1.4e-25;
6; Mismatches 134
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Pred. No. 1
                                                                                                                                                EMBL: D50872;
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1.2e-25;
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                                                                                                                                            NID:g1256924;
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A;Residues: 1-137,'A',139-397 <BOE>
A;Cross-references: EMBL:U34038; NID:g1041728; PIDN:AAB47871.1; PID:g1041729
A;Note: the authors translated the codon GTC for residue 68 as Ile and AAC fo
R;Kahn, M.L.; Coughlin, S.R.
submitted to the EMBL Data Library, September 1995
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A;Title: Molecular cloning, expression and potential functions of the human prot A;Reference number: S64709; MUID:96177879; PMID:8615752
A;Accession: S64709
A;Status: preliminary
                                                                                                                                                                                                                                                                           C;Superfamily: ATP receptor P2u
F;1-36/Domain: activation peptide #status predicted <APT>
F;1-25/Domain: signal sequence #status predicted <SIG>
F;37-397/Product: proteinase-activated receptor 2 #status predicted
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A; Introns: 28/1
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A; Residues: 29-397 <
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C;Species: Homo sapiens (man)
C;Date: 28-Oct-1996 #sequence revision 13-Mar-1997 #text_change 09-Jul-2004
C;Accession: S66518; S64709; G02131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A; Cross-references:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Reference number: H00822
A; Accession: G02131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Status: preliminary; translated from GB/EMBL/DDBJ
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100 RGSNWIFGDLACRIMSYSLYVNMYSSIYFLTVLSVVRFLAMVHPFRLLHVTSIRSAWILC 159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       135 VRFLAMVHPFRLLHVTSIRSAWILCGIIWILIMASSIMLLDSGS------EQNGSVTSC 187
                                                      77
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4
                                                                                                                                                                                             Similarity
                                                      FLPIVYTIVFVVGLPSNGMALWVFLFRTKKKHPAVIYMANLALADLLSVIWFPLKIAYHI 136
                                                                                                          FFPIVYLIIFFWGVLGNGLSIYVFLQPYKKSTSVNVFMLNLAISDLLFISTLFFRADYYL 99
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PVIYCFLTKKFRKHLS---EKFYSMRSSRKC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PLLYYFAGENFKDRLKSALRKGHPQKAKTKC 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEHYEPYSVPILVVHVFIAF---CFFLVFFLIFYCNLVIIHTLLTQPMRQQRKAGVKRRA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LTTIIITLIIFFLCFLPYHTLRTVHLTTWKVGLCKDRLHKAL----VITLALAAANACFN 301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LE-LNLYKIAKLQTMNYIALVVGC-LLPFFTLSICYLLIRVLLKVEVPESGLRVSHRKA 245
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                                                                                                                                                                   Conservative
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                                                                                                                                                                                       22.4%;
                                                                                                                                                                   69;
                                                                                                                                                              Score 400.5; DB 2;
Pred. No. 3.1e-25;
59; Mismatches 121;
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angiotensin receptor homolog APJ - human (Species: Homo sapiens (man) (C)Species: Homo sapiens (man) (C)Date: 15-Mar-1996 #sequence_revision 15-Mar-1996 #text_change 09-Jul-2004 (C)Accession: 138435 (R)O'Dowd, B.P.; Heiber, M.; Chan, A.; Heng, H.H.; Tsui, L.; Kennedy, J.L.; Shi, X.; Petr Gene 136, 355-360, 1993 (Gene 136, 355-360, 1993 (Gene that shows identity with the gene encoding the angiotensin recepto A; Reference number: 138435; MUID:94124031; PMID:8294032
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A;Rosidues: 1-380 <RES>
A;Cross-references: UNIPROT:P35414; EMBL:U03642; NID:g425351; PIDN:AAA18954.1; PID:g4253
Search completed: March 18,
Job time : 28.1272 secs
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C;Superfamily: vertebrate rhodopsin
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                                                                                                                                                                        239 ---GLR-KRRILSIIVVLVVTFALCMMPYHLVKTLYMLGSLLHWP----CDFDLFLMNIF 291
                                                                                                                                                                                                                  234 PESGLRVSHRKALTTIIITLIIFFLCFLPYHTLRTVH----LTTWKVGLCKDRLHKALVI 289
                                                                                                                                                                                                                                                                                                          187 CLELNLYKIAKLQT------MNYIALVVGCLLPFFTLSICYLLIIRVLL------KVEV 233
                                                                                                                                                                                                                                                                                                                                                                               130 TVLSVVRFLAMVHPFRLLHVTSIRSAWILCGIIWIL--IMASSIMLL-DSGSEQNGSVTS 186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                361 - CRSVRTVKQMQVSLTSKKHSR 381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          324 HPQKAKTKCVFPVSVWLRKETR 345
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                                                                                     292 PYCTCISYVNSCLNPFLYAPFDPRFRQACTSMLCCGQSRCAGT 334
                                                                                                                            290 --TLALAAANACENPLLYYEAGENEKDRIKSAIRKGHPQKAKT 330
                                                                                                                                                                                                                                                                                                                                                                                                                                              61 RRSADIFIASLAVADLTFVVTLPLWATYTYRDYDWPFGTFFCKLSSYLIFVNMYASVFCL 120
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            92:
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1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*

2: /cgn2_6/ptodata/1/ina/5B_CCMB.seq:*

3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*
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            GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd
                Length
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	241 GCCATTTCAGATCTCCTGTTCATAAGCACGCTTCCCTTCAGGGCTGACTATTATCTTAGA 	181 TATGTTTTCCTGCAGCCTTATAAGAAGTCCACATCTGTGAACGTTTTCATGCTAAATCTG 	121 TTCCCAATTGTATATCTGATAATATTTTTCTGGGGAGTCTTGGGAAATGGGTTGTCCATA	61 GGCACCTTCAGCAATAACAACAGCAGGAACTGCACAATTGAAAACTTCAAGAGAGAG	1 ATGGAGAGAAATTTATGTCCTTGCAACCATCCATCTCCGTATCAGAAATGGAACCAAAT 	tch 99.7%; Score 1037.8; DB 4; Length 1401; al Similarity 99.8%; Pred. No. 0; 1039; Conservative 0; Mismatches 2; Indels 0; Gaps	ESULT 1  S-09-585-876-1  Sequence 1, Application US/09585876 Patent No. 6586205  GENERAL INFORMATION: APPLICANT: Glucksmann, Maria Alexandra APPLICANT: Silos-Santiago, Immaculada TITLE OF INVENTION: 43239, A No. 6586205el GPCR-Like Molecule and TITLE OF INVENTION: Uses Thereof FILE REFERBICE: 5800-88  CURRENT APPLICATION NUMBER: US/09/585,876  CURRENT APPLICATION NUMBER: 60/182,061  EARLIER APPLICATION NUMBER: 60/182,061  EARLIER FILING DATE: 2000-06-01  EARLIER FILING DATE: 2000-02-11  NUMBER OF SEQ ID NOS: 2  SOFTWARE: FastSEQ for Windows Version 3.0  SEQ ID NO 1  LENGTH: 1401  TYPE: DNA ORGANISM: Homo sapiens FEATURE: NAME/KEY: CDS LOCATION: (197)(1237)  IS-09-585-876-1	ALIGNMENTS	## 1452   1452   1 US-08-149-093A-3   Sequence 3, Appli   ## 1452   1 US-08-911-245-3   Sequence 3, Appli   ## 1452   1 US-08-553-058C-3   Sequence 3, Appli   ## 1452   1 US-08-553-058C-3   Sequence 3, Appli   ## 1452   1452   2 US-08-514-451A-3   Sequence 3, Appli   ## 1452   1452   3 US-09-170-331-3   Sequence 3, Appli   ## 1452   1452   3 US-09-510-473-3   Sequence 3, Appli   ## 1452   1452   3 US-09-016-434-1239   Sequence 1, Appli   ## 1452   1452   3 US-09-016-434-1239   Sequence 1239, Appli   ## 1452   1452   3 US-09-054-272-1   Sequence 1239, Appli   ## 1452   1551   4 US-09-054-272-1   Sequence 1239, Appli   ## 1452   1780   4 US-09-170-496D-225   Sequence 1, Appli   ## 1452   1780   4 US-09-170-496D-117   Sequence 275, Appli   ## 1551   1780   1780-170-496D-117   Sequence 1, Appli   ## 1551   1780   1780-170-496D-107   Sequence 26, Appli   ## 1551   1780   1780-170-496D-107   Sequence 276, Appli   ## 1551   1780   1780-170-496D-107   Sequence 276, Appli   ## 1551   1780   1780-170-496D-107   Sequence 276, Appli   ## 1551   1780-170-496D-221   Sequence 276, Appli   ## 1551   1780-170-
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301 GGCTCCAATTGGATATTTGGAGACCTGGCCTGCAGGATTATGTCTTATTCCTTGTATGTC 360

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GENERAL INFORMATION:

APPLICANT: SATHE, GANESH

APPLICANT: HALSEY, WENDY

APPLICANT: ELLIS, CATHERINE

APPLICANT: ELLIS, CATHERINE

APPLICANT: AMES, ROBERT

APPLICANT: SARAU, HENRY

ITITLE OF INVENTION: CDNA CLONE HMTMF81 THAT ENCODES

ITITLE OF INVENTION: A NOVEL HUMAN 7-TRANSMEMBRANE RECEP

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESSEE: SmithKline Beecham Corporation

STREET: 790 Swedeland Road, P.O. Box 1539
                                                                                                                                                                                                                                                                                                                                                                                  RESULT 2
US-09-044-404A-1
                                                                                                                                                                                                                                                                                                                                              Sequence 1, Application US/09044404A Patent No. 6200775
STATE: PA
COUNTRY: US
ZIP: 19406
                                                        CITY: King of Prussia
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SEQUENCE CHARACTERISTICS:
LENGTH: 1578 base pairs
TYPB: nucleic acid
STRANDEDNESS: single
STPPLOGGY: linear
MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 13.9%;
Best Local Similarity 51.5%;
Matches 451; Conservative
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OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.
SOFTWARE: FastSEQ for Windows Version 2.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/044,404A
FILING DATE: MARCH 19, 1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/844,795
FILING DATE: APRIL 22, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T.
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH-70001-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEPHONE: 610-270-5219
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MEDIUM TYPE: Diskette
COMPUTER: IBM Compatil
OPERIUM SYSTEM: DOS
OPERIUM SYSTEM: DOS
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                                                      GGGCTGCCTGCCATTTTTCACACTCAGCATCTGTTATCTGCTGATCATTCGGGTTCT
                                                                                                                                                                                TCCATTTCTAATGGCCAAACCACAAAAAGATGGGAAAAATAATACCAAGTGCTTTGAGCC
                                                                                                                                                                                                                                                              ACAGAAAAAAGCCAGGTTTGTGTGTGTAGGTATTTGGATTTTTGTGATTTTGACCAGTTC
                                                                                                                                                                                                                                                                                     CATCAGGAGTGCCTGGGGATCATATGGATCCTT---ATCATGGCTTCCTC
                                                                                                                                                                                                                                                                                                                                          CATGAGCTTTTTCCGGTGCATTGCAATTGTTTTTCCAGTCCAGAACATTAATTTGGTTAC
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                  TGGCTTTATCATCCCTTTTGTTATTATATTGTCTGTTACACAATGATCATTTTGACCTT
                                                                                                                                    GAATCTCTATAAAATTGCTAAGCTGCA-----GACCATGAACTATATTGCCTTGGTGGT
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Pred. No. 1.6e-35;
0; Mismatches 398;
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; SOPTWARE: FastSEQ for W:
; SEQ ID NO 1
; LENGTH: 1578
; TYPE: DNA
; TYPE: DNA
; ORGANISM: HOMO SAPIENS
US-09-586-924-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: CHAMBERS, JON
TITLE OF INVENTION: CDNA CLONE HWIMP81 THAT ENCODES A NOVEL
TITLE OF INVENTION: HUMAN 7-TRANSMEMBRANE RECEPTOR
FILE REFERENCE: GH-70001-1D1
CURRENT APPLICATION NUMBER: US/09/586,924
CURRENT FILING DATE: 2000-06-05
PRIOR APPLICATION NUMBER: 09/044,404
PRIOR FILING DATE: 1998-03-19
PRIOR PILING DATE: 1998-03-19
PRIOR PELICATION NUMBER: 08/844,795
PRIOR FILING DATE: 1997-04-22
INUMBER OF SEQ ID NOS: 2
INUMBER OF SEQ ID NOS: 2
INUMBER OF SEQ ID NOS: 2
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US-09-586-924-1
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Best Local Similarity 51.5%;
Matches 451; Conservative
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APPLICANT:
APPLICANT:
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754
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ELLIS, CATHERINE E.
AMES, ROBERT S.
FOLEY, JAMES J.
SARAU, HENRY M.
CHAMBERS, JON
                                                                                                                                                                                                                                                         GGGAGTCTTGGGAAATGGGTTGTCCATATATGTTTTTCCTGCAGCCTTATAAGAAGTCCAC
                                                                                                   TCCCTTCAGGGCTGACTATTATCTTAGAGGCTCCAATTGGATATTTGGAGACCCTGGCCTG
                                                                                                                                                                                      ATCTGTGAACGTTTTCATGCTAAATCTGGCCATTTCAGATCTCCTGTTCATAAGCACGCT
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                                 GCCTCTCCGTGTGGTCTATTATGTCCACAAAGGCATTTGGCTCTTTGGTGACTTCTTGTG
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Pred. No. 1.6e-35;
0; Mismatches 398; Indels 27;
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APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. 655339-Endogenous, Constitutively Activated Human G Protein-(
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/09/170,496D
CURRENT FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: Patentin version 3.1
SEQ ID NO 31
LENGTH: 1020
TYPE: DNA
ORGANISM: Homo sapiens
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US-09-170-496D-31
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GENERAL INFORMATION:
                                                                                                                           Query Match 9.5%;
Best Local Similarity 48.8%;
Matches 339; Conservative
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                                                                                        TTTTCCCAATTGTATATCTGATAATATTTTTCTGGGGAGTCTTGGGAAATGGGTTGTCCA 178
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                                                          TGTTCGCCTCCTTCTACCTTCTGGATTTTATCCTGGCTTTAGTTGGCAATACCCTGGCTC 157
                                                                                                                               Score 99.4; DB 4;
Pred. No. 5.3e-21;
0; Mismatches 341;
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                                                                                                                                                                       Length 1020;
                                                                                                                                   Indels
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RESULT 5
US-09-016-434-1484
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1484, Application US/09016434 Patent No. 6500938 GENERAL INFORMATION:
                                                                                           MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: Word Perfect 6.1 for Windows/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/09/016.434
FILLING TARES
                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Janice Au-Young
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION
TITLE OF INVENTION: PATHWAY GENE EXPRESSION
                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS,
                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
              APPLICATION NUMBER: FILING DATE:
                                                                                       FILING DATE:
                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                         CITY:
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US-08-153-848-43
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Best Local Similarity
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INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 1900 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IMMEDIATE SOURCE:
LIBRARY: GENBAI
CLONE: 9992699
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
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TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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REGISTRATION NUMBER: 37,071
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Pred. No. 8e-21;
0; Mismatches 341;
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LENGTH: 1901 harr
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Best Local Similarity
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APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OP INVENTION: NO. 5759804el Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEPAX: (312) 474-0448
TELEPAX: 25-265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
FILING DATE: 17-NOV-1992
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
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LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: No. 5759804and, Greta REGISTRATION NUMBER: 35,302 REFERENCE/DOCKET NUMBER: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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ZIP: 60606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Marshall, O'Toole, Gerstein, Murray
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                                                                                                                                    GAGGCTCCAATTGGATATTTGGAGACCTGGCCTGCAGGATTATGTCTTATTCCTTGTATG
                                                                                                                                                                                                        TGGCCATTTCAGATCTCCTGTTCATAAGCACGCTTCCCCTTCAGGGCTGACTATTATCTTA 298
                                                                                                                                                                                                                                                                        TATATGTTTTCCTGCAGCCTTATAAGAAGTCCACATCTGTGAACGTTTTCATGCTAAATC 238
                                                                                                                                                                                                                                                                                                                                            TTTTCCCAATTGTATATCTGATAATATTTTTTCTGGGGAGTCTTGGGAAATGGGTTGTCCA 178
TGGTTCACCCCTTTCGGCTTCTGCATGTCACCAGCATCAGGAGTGCCTGGATCCTCTGTG 478
                                TCAACATGTACGCCAGCATCTACTTCCTCACCTGCATCAGCGCCGACCGTTTCCTGGCCA 1097
                                                                                                    TGGCCGTGGCCGACTTGTCGTGCGTGCTGGTCCTGCCCACCCGGCCTGGTCTACCACCTTCT
                                                                                                                                                                                                                                          TGTGGCTTTTCATCCGAGACCACAAGTCCGGGACCCCGGCCAACGTGTTCCTGATGCATC
                                                                                                                                                                                                                                                                                                            TGTTCGCCTCCTTCTACCTTCTGGATTTTATCCTGGCTTTAGTTGGCAATACCCTGGCTC 857
                                                                TCAACATGTACAGCAGTATTTATTTCCTGACCGTGCTGAGTGTTGTGCGTTTCCTGGCAA 418
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Pred. No. 8e-21;
                                                                                                                                                                                                                                                                                                                                                                                Mismatches
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: No. 6107475el Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 66
                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: PatentIn Release #1.0, Version CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/299,843A
                                                       REFERENCE/DOCKET NUMBER: 27
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
FILING DATE: 17-NOV-1992
                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 09/088,337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                          FILING DATE: 01-JUN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08
FILING DATE: 17-NOV-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
                   TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                NAME: Jill E. Uhl
REGISTRATION NUMBER: 43,213
                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
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6300 Sears Tower, 233
                                      (312)
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; LOCATION:
US-09-299-843A-43
                                                                                                                                  Sequence 43, Application US/09088337B Patent No. 6348574 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 9.5%;
Best Local Similarity 48.8%;
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STRANDEDNESS: single
TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                                                                            1443
APPLICANT: Godiska, Ronald
Gray, Patrick W.
Schweikart, Vicki L.
TITLE OF INVENTION: No. 6348574el Seven Transmembrane Receptors
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              918
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           179 TATATGTTTTCCTGCAGCCTTATAAGAAGTCCACATCTGTGAACGTTTTCATGCTAAATC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        798 TGTTCGCCTCCTTCTACCTTCTGGATTTTATCCTGGCTTTAGTTGGCAATACCCTGGCTC
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                                                                                                                                                                                                                                                                                                                                                        TOGTGCCCTACCACGTCAACCGCTCCGTCTACGTG 1477
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701..1717
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JULATION: 701..1717

SEQUENCE DESCRIPTION: SEQ ID NO:
US-09-088-337B-43
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (312) 474-6300
TELEPAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 43:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 08/153,848
FILING DATE: 17-NOV-1993
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: No. 6348574and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 1901 base pairs
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall,
  479
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                                                                                                                                                                                    359
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GGATCATATGGATCCTTATCATGGCTTCCTCAATAATGCTCCTGGACAGTGGCTCTGAGC 538
                                                                                                                                                                                                                             CTGGGAACCACTGGCCATTTGGGGAAATCGCATGCCGTCTCACCGGCTTCCTCTTCTACC 1037
                                          TIGIGCACCCGGICAAGICCCTCAAGCTCCGCAGGCCCCTCTACGCACACCTGGCCTGTG 1157
                                                                                                                                                                                                                                                                     GAGGCTCCAATTGGATATTTGGAGACCTGGCCTGCAGGATTATGTCTTATTCCTTGTATG 358
                                                                                     TEGTTCACCCCTTTCEGCTTCTECATETCACCAGCATCAGGAGTGCCTGGATCCTCTGTG 478
                                                                                                                                       TCAACATGTACGCCAGCATCTACTTCCTCACCTGCATCAGCGCCGACCGTTTCCTGGCCA 1097
                                                                                                                                                                           TCAACATGTACAGCAGTATTTATTTCCTGACCGTGCTGAGTGTTGTGCGTTTCCTGGCAA 418
                                                                                                                                                                                                                                                                                                                       TGGCCGTGGCCGACTTGTCGTGCGTGCTGGTCCTGCCCACCCGCCTGGTCTACCACTTCT 977
                                                                                                                                                                                                                                                                                                                                                                  TGGCCATTTCAGATCTCCTGTTCATAAGCACGCTTCCCTTCAGGGCTGACTATTATCTTA 298
                                                                                                                                                                                                                                                                                                                                                                                                                  TGTGGCTTTTCATCCGAGACCACAAGTCCGGGACCCCGGCCAACGTGTTCCTGATGCATC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TGTTCGCCTCCTACCTTCTGGATTTTATCCTGGCTTTAGTTGGCAATACCCTGGCTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Chicago
STATE: Illinois
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RESULT 9
PCT-US93-11153-43
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PCT-U893-11153-43
                                                                                                     TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 43
SEQUENCE CHARACTERISTICS:
LENGTH: 1901 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
STRANDENESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 43, Application PC/TUS9311153 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                     PEATURE:
                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION: TELEPHONE: (312) 474-6300
                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0.
PILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                     TELEPHONE: (314)
                                                                                                                                                                                                                                                                         NAME: Noland, Greta E. REGISTRATION NUMBER: 35, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: FILING DATE: CLASSIFICATION:
                 NAME/KEY: CDS
LOCATION: 701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Chicago
STATE: Illinois
                                                                                         TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & ADDRESSEE: Bicknell
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                                                                      DNA
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                                                                    (genomic)
                                                                                                                                                                                                                                                                                                                                                                   US 07/977,452
                                                                                                                                                                                                                                                                                                                                                                                                                                          PCT/US93/11153
                                                                                                                                                                                                                                                                                         35,302
                                                                                                                                                                                   43:
                                                                                                                                                                                                                                                                           31794
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Version
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Best Local Similarity
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TCGTGCCCTACCACGTCAACCGCTCCGTCTACGTG
                                 TCCTGCCCTATCACACACTGAGGACCGTCCACTTG
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Pred. No. 8e~21;
0; Mismatches 341
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PCT-US95-07180-1
PCT-US95-07180-1
Sequence 1, Application PC/TUS9507180
GENERAL INFORMATION:
APPLICANT: LI, YI
APPLICANT: COCAYNE, JEANINE D
APPLICANT: RUBEN, STEVEN M
TITLE OF INVENTION: G-PROTEIN RECEPTOR HIBEB69
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BERNE, BAIN, GILFILLAN, CECCHI, ADDRESSEE: STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NJ
COUNTRY: US
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

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PCT-US95-07180-1
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Best Local Similarity 48.8%;
Matches 339; Conservative
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FILING DATE: 06-JUNE-1>>>
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 30,073
REFERENCE/DOCKET NUMBER: 3258(
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: PatentIn Release #1.0, Version CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 2453 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                 TTTCTCACAGGAAGGCACTGACCACCATCATCATCACCTTGATCATCTTCTTCTTGTGTT 778
                                                                        GCTACCTGCTGATCATCCGCAGCCTGCGGCAGGGCCTGCGTGTGGAGAAGCGCCTCAAG-
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Pred. No. 9.5e-21;
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APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. 6555339-Endogenous, Co
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/09/170,496D
CURRENT FILING DATE: 1998-10-13
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US-09-170-496D-181
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 181
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Best Local Similarity 48.5%;
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ORGANISM: Homo
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                                TTTCTCACAGGAAGGCACTGACCACCATCATCATCACCTTGATCATCTTCTTCTTGTGTT
                                                                   GCTACCTGCTGATCATCCGCAGCCTGCGGCAGGGCCTGCGTGTGGAGAAGCGCCTCAAG- 690
                                                                                                                                         CCCTGG-----TGTCCCTGGCAGTGGCCTTCACCTTCCCGTTCATCACCACGGTCACCT
                                                                                                                                                                                                                                            AGAACGGCAGTGTCACATCATGCTTAGAGCTGAATCTCTATAAAATTGCTAAGCTGCAGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TGTTCGCCTCCTTCTACCTTCTGGATTTTATCCTGGCTTTAGTTGGCAATACCCTGGCTC 157
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- ACCAAGGCAAAACGCATGATCGCCATAGTGCTGGCCATCTTCCTGGTCTGCT
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Pred. No. 5.6e-20;
0; Mismatches 343; Indels
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/097,938
PILING DATE: 26-JUL-1993
CILASIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MURASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 22803-20006.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
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INFORMATION FOR SEQ ID NO:
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FEATURE:
NAME/KEY:
LOCATION:
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LENGTH: 1255 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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TITLE OF INVENTION: RECOMBINANT C140 RECEPTOR AND
TITLE OF INVENTION: AGONISTS AND ANTAGONISTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: SUNDELIN, APPLICANT: SCARBOROU
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                                                                                                                                                                                                                                                                                                                      Local
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STREET: 2000 Pennsylvania Ave. N.W., Ste. 5500
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446
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185; Conser
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                           TTCAGGGCTGACTATTATCTTAGAGGCTCCAATTGGATATTTTGGAGACCTGGCCTGCAGG 336
                                                                                                      GTGAACGTTTTCATGCTAAATCTGGCCATTTCAGATCTCCTGTTCATAAGCACGCTTCCC
                                                                                                                                                 TTGCCAAGTAACGGCATGGCCCTGTGGGTCTTTCTTTTCCGAACTAAGAAGAAGCACCCT
                                                                          GCTGTGATTTACATGGCCAATCTGGCCTTGGCTGACCTCCTCTGTCATCTGGTTCCCC
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TTGAAGATTGCCTATCACATACATGGCAACAACTGGATTTATGGGGAAGCTCTTTGTAAT 505
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Pred. No. 1.4e-18;
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GENERAL INFORMATION:
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Matches 1
                                                                                                                                                                                                                Query Match
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                                                                                                                                                                                                                                                                  FEATURE:
NAME/KEY:
LOCATION:
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APPLICANT: SUNDELIN, JOHAN
APPLICANT: SUNDELIN, JOHAN
APPLICANT: SUNDERIN, ROBERT M.
APPLICANT: SCARBOROUGH, ROBERT M.
TITLE OF INVENTION: RECOMBINANT C140 RECEPTOR, ITS AGONISTS
TITLE OF INVENTION: AND ANTAGONISTS, AND NUCLEIC ACIDS ENCODING THE RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: ADLER, REID G.
NAME: 30,988
REGISTRATION NUMBER: 28
REFERENCE/DOCKET NUMBER: 28
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 1
FILING DATE: 07-JUN-:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 1255 base pair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 0
FILING DATE: 25-JAN-1995
ATTORNEY/AGENT INFORMATION:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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TELEX: 90-4030
                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 1255 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                          266 ACTGGAAAACTGACCACTGTCTTCCCAATTGTCTACACAATTGTGTTTGTGGTGGGT 325
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GTGAACGTTTTCATGCTAAATCTGGCCATTTCAGATCTCCTGTTCATAAGCACGCTTCCC 276
                                     TTGCCAAGTAACGGCATGGCCCTGTGGGTCTTTCTTTTCCGAACTAAGAAGAAGCACCCT
                                                                                                                                         ATTGAAAACTTCAAGAGAGAATTTTTCCCCAATTGTATATCTGATAATATTTTTTCTGGGGA 156
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                                                                                                                                                                                Conservative
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56..1249
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SYSTEM: PC-DOS/MS-DOS
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Pred. No. 1.4e-18;
0; Mismatches 155
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                                                                                                                                                                                                                  Length 1255;
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NAME/KEY:
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US-08-472-840-3
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US-08-472-840-3
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                                                     Matches
                                                                    Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIA Release #1.0, VC
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: 3:
                                                                                                                                                                 FEATURE:
                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                               NAME: ADLER, REID G.
REGISTRATION NUMBER: 30,988
REFERENCE/DOCKET NUMBER: 28
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: 25-JAN-1995
ATTORNEY/AGENT INFORMATION:
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ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Ave. N.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: SUNDELIN, JOHAN
APPLICANT: SCARBOROUGH, ROBERT M.
TITLE OF INVENTION: RECOMBINANT C140 RECEPTOR, ITS AGONISTS
TITLE OF INVENTION: AND ANTAGONISTS, AND NUCLEIC ACIDS ENCO
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                                                                                                                                                                                LOCATION:
                                                                                                                                                                                             NAME/KEY:
                                                                                                                                                                                                                            STRANDEDNESS:
TOPOLOGY: 11
                                                                                                                                                                                                                                                             TYPE:
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CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER:
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97 ATTGAAAACTTCAAGAGAGAATTTTTCCCCAATTGTATATCTGATAATATTTTTCTGGGGA 156
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Conservative
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                                               Score 92; DB 1; Le
Pred. No. 1.4e-18;
0; Mismatches 155;
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                                                                                                                                                                                       TELEX: 90-4030
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                FEATURE:
NAME/KEY:
                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 28
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 08/3:
FILING DATE: 25-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: ADLER, REID G.
REGISTRATION NUMBER: 30,988
                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 536 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,97
                                                                                                       FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: SUNDELIN, JOHAN
APPLICANT: SCARBOROUGH, ROBERT M.
TITLE OF INVENTION: RECOMBINANT C140 RECEPTOR, ITS AGONISTS
TITLE OF INVENTION: AND ANTAGONISTS, AND NUCLEIC ACIDS ENCODING THE RECEPTOR NUMBER OF SEQUENCES: 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                   LOCATION:
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Search completed: March 20, 2005, 02:59:21 Job time: 208.232 secs "" rage blank (usproj

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Copyright (c) 1993 - 2005 Compugen Ltd.
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## ALIGNMENTS

RESULT 1
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LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS REFERENCE AUTHORS TITLE SOURCE ORGANISM 밁 Ś 밁 S В S ORIGIN FEATURES source COMMENT Query Match
Best Local Similarity 98.9%; Matches JOURNAL 181 122 121 62 61 GGCACCTTCAGCAATAACAACAGCAGGAACTGCACAATTGAAAACTTCAAGAGAGAATTT 1 ATGGAGAGAAAATTTATGTCCTTGCAACCATCCATCTCCGTATCAGAAATGGAACCAAAT N 1 (bases 1 to 758)

Thu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.

Circular rapid amplification of cDNA ends for high-throughput extension cloning of partial genes

Genomics 84 (1), 205-210 (2004)

Contact: Fu GK Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo. 56040032J1 FLP Homo sap: CD630086 CD630086.1 GI:40278352 Incyte Genomics, Inc. 3160 Porter Dr., Palo Alto, Tel: 6508454102 CD630086 Email: gfu@incyte.com. Homo sapiens (human) TATGTTTTCCTGCAGCCTTATAAGAAGTCCACATCTGTGAACGTTTTCATGCTAAATCTG 240 TTCCCAATTGTATATCTGATAATATTTTTCTGGGGAGTCTTGGGAAATGGGTTGTCCATA TTCCCAATTGTATATCTGATAATATTTTTCTGGGGAGTCTTGGGAAATGGGTTGTCCATA 180 GGCACCTTCAGCAATAACAACAGCAGGAACTGCACAATTGAAAACTTCAAGAGAGAATTT Conservative /organism="Homo sapiens"
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/db\_xref="rtaxon:9606"
/clone\_lib="FLP"
/note="Vector: pDrive Cloning Vector" Location/Qualifiers FLP Homo sapiens cDNA, mRNA sequence. Score 723; DB 6; 1 Pred. No. 2.3e-199; 0; Mismatches 5; 758 bp CA 94304, USA mRNA Length 758; Indels linear EST 12-JAN-2004 ω --Gaps 121 120 6 181

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REFERENCE
AUTHORS
TITLE
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                                                                                                                                                                                                           Fu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L. Circular rapid amplification of cDNA ends for high-throughput extension cloning of partial genes Genomics 84 (1), 205-210 (2004)
Contact: Fu GK
                                                                                                                                                                         Incyte Genomics, Inc. 3160 Porter Dr., Palo Tel: 6508454102
                                                                                                                                                                                                                                                                             Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 762)
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CD630084
CD630084.1 GI:40278350
                                                                                                                                                                                                                                                                                                                                 Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          TTATCTGCTGATCATTCGGGGTCTGTTAAAAGTGGAGGTCCCAGAATCGGGGCTGCAGGG
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        Conservative
                                                                                                                                                             gfu@incyte.com.
                                                                   /organism="Homo sapiens"
/mol type="mRNA"
/db_xref="taxon:9606"
/clone lib="FLP"
/note="Vector: pDrive Clo
                                                                                                                                              location/Qualifiers
                68.6%;
     Score 714; DB Pred. No. 9.7e 0; Mismatches
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 745)

Fu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.

Circular rapid amplification of cDNA ends for high-throughput extension cloning of partial genes

Genomics 84 (1), 205-210 (2004)

Contact: Fu GK

Incyte Genomics, Inc.

3160 Porter Dr., Palo Alto, CA 94304, USA
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Email: gfu@incyte.com
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                                                                                                       ATGAACTATATTGCCTTGGTGG-TGGGCTGCCTGCTGCCATTTTTCACACTCCAGCATCTG
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                                                                             TTTCTCACAGGAAGG
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/db_Xref="taxon:9606"
/clone_lib="FLP"
/note="Vector: pDrive_Cloning
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/mol_type="mRNA"
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           ATGAACTATATTGCCTTGGTGGGGCTG-CTGCTGCCATTTTTCACACTCAGCATCTGT
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Query Match
Best Local Similarity
Matches 722; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; I
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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ATGAACTATATTGCCTTGGTGGTGGGCTGCCTGCTGCCATTTTTCACACTCAGCATCTGT
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                                                                              AACGGCAGTGTCACATCATGCTTAGAGCTGAATCTCTATAAAATTGCTAAGCTGCAGACC
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nilarity 99.4%;
Conservative
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|mol type="mRNA,"
|db_xref="taxon:9606"
|clone_lib="FLP"
|note="Vector: pDrive Cloning Vector"
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Pred. No. 2.4e-195;
0; Mismatches 3;
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Matches 704; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Contact: Daniela S. Gerhard, Ph.D.
Office of Cancer Genomics
National Cancer Institute / NIH
Bldg. 31 Rm10A07 Bethesda, MD 20892
Email: cgapbs-remail.nih.gov
Tissue Procurement: Guthrie cDNA Resource Center
cDNA Library Preparation: Guthrie cDNA Resource Center
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: IRBI7 row: f column: 03
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AGENCOURT 30842218 NIH MGC 146 Homo
IMAGE 7389737 3', mRNA sequence.
C0959137
C0959137.1 GI:51323719
EST.
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1 (bases 1 to 720)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
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Mammalia; Eutheria;
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                                                                                                                                      GAGTGTTGTGCGTTTCCTGGCAATGGTTCACCCCTTTCGGCTTCTGCATGTCACCAGCAT
                                         GAGTGTTGTGCGTTTCCTGGCAATGGTTCACCCCTTTCGGCTTCTGCATGTCACCAGCAT
                                                                                                                  TATCTGCTGATCATTCGGGTTCTGTTAAAAGTGGAGGTCCCAGAATCGGGGCTGCGGGTT 720
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                                                                                                                                                                                                                                                                /organism="Homo sapiens"
/mol type="mcNA"
/db_xref="taxon:9606"
/db_xref="taxon:9606"
/db_xref="taxon:9606"
/clone="IMAGE:7389737"
/tissue_type="mixed"
/lab_host="DH10B (T1-phage-resistant)"
/clone_lib="WH MGC_146"
/note="Vector: pcDNA3.1; Site 1: multiple; Site 2:
multiple; ORF's were PCR-amplified (from IMAGE cloned by
the Guthrie cDNA Resource Center (www.guthrie.org/cDNA)
into pcDNA3.1. For specific information on cloning sites
(which vary by clone), please refer to the Guthrie
website, using the Guthrie ID given in the file
ftp://image.llnl.gov.image.rearrayed_plates/IRBF.preSV.dat
a. Note: this is a NIH_MGC Library."
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Contact: Fu GK
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CD630075
CD630075.1 GI:40278341
                                                                                                                                                                                                                                    Incyte Genomics, Inc.
3160 Porter Dr., Palo Alto,
Tel: 6508454102
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                    gfu@incyte.com
                                                                                     /organism="Homo sapiens"
/mol type="mRNA"
/db xref="taxon:9606"
/clone_lib="FLP"
/note="Vector: pDrive Clo
                                                                                                                                                                                                 Location/Qualifiers
Score 680; DB 6;
Pred. No. 8.2e-187;
0; Mismatches 5;
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                       Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Eukaryota; Metazoa; Chordata; Catarrhini; Hominidae; Homo.
1 (bases 1 to 750)
Pu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.
Circular rapid amplification of cDNA ends for high-throughput extension cloning of partial genes
Genomics 84 (1), 205-210 (2004)
Contact; Fu GK
                                                                                                                                                 CD630077 750
5603999641 FLP Homo sapiens c
CD630077.1 GI:40278343
EST.
  Incyte Genomics,
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Best Local Similarity
Matches 731; Conserv
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CD630069
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Email: gfu@incyte.
                                                                                                      G--TTTCTCACAGGAAGGCACTGACCACCA
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/db_xref="taxon:9606"
/clone_lib="FLP"
/note="Vector"
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/note="Vector: pDrive Cloning Vector"
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Pred. No. 4.5e-183;
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1 (bases 1 to 673)

Pu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L. Circular rapid amplification of cDNA ends for high-throughput extension cloning of partial genes Genomics 84 (1), 205-210 (2004)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Incyte Genomics, Inc.
3160 Porter Dr., Palo Alto, CA 94304,
Tel: 6508454102
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64.0%; Score 666; DI
Similarity 100.0%; Pred. No. 9.6
66; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Email: gfu@incyte.com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
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                                                                                                                                  AACGGCAGTGTCACATCATGCTTAGAGCTGAATCTCTATAAAATTGCTAAGCTGCAGACC
                                                                                                                                                                                                         ATCATATGGATCCTTATCATGGCTTCCTCAATAATGCTCCTGGACAGTGGCTCTGAACAG
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                                ATGAACTATATTGCCTTGGTGGGGCTGCCTGCTGCCATTTTTCACACTCAGCATCTGT
                                                               ATGAACTATATTGCCTTGGTGGTGGGCTGCCTGCCATTTTTCACACTCAGCATCTGT
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone_lib="FLP"
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;; Pred. No. 9.6e-183;
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Plate: IRBI7 row: f column: 03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Contact: Daniela S. Gerhard, Ph.D. Office of Cancer Genomics National Cancer Institute / NIH Bldg. 31 Rm10A07 Bethesda, MD 20892
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       729 bp mRNA linear ES
AGENCOURT 30842618 NIH MGC 146 Homo sapiens cDNA clone
IMAGE:7389737 5', mRNA sequence.
C0959148
                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Guthrie cDNA Resource Center
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
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Homo sapiens
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CO959148.1 GI:51323730
EST.
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1 (bases 1 to 729)
TATGTTTTCCTGCAGCCTTATAAGAAGTCCACATCTGTGAACGTTTTCATGCTAAATCTG
                                                                                                                                                                GGCACCTTCAGCAATAACAACAGCAGGAACTGCACAATTGAAAACTTCAAGAGAGAATTT
                                                                                             TTCCCAATTGTATATCTGATAATATTTTTCTGGGGAGTCTTGGGAAATGGGTTGTCCATA 180
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                                                               TICCCAATTGTATATCTGATAATATTTTTCTGGGGAGTCTTGGGAAATGGGTTGTCCATA
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                      /mol_type="mRNA"
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Pred. No. 1.4e-179;
0; Mismatches 32;
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Gene

Collection (MGC)

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AUTHORS
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1 (bases 1 to 652)

Pu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.

Circular rapid amplification of cDNA ends for high-throughput extension cloning of partial genes

extension cloning of partial genes

Genomics 84 (1), 205-210 (2004)

Contact: Fu GK
                                                                                                                                                                                                                       Incyte Genomics, Inc.
3160 Porter Dr., Palo Alto, CA
Tel: 6508454102
                                                                                                                                                                                                                                                                                                                                                                                                                                          CD630079 652 bp mRNA linea 56040008H1 FLP Homo sapiens cDNA, mRNA sequence. CD630079 GI:40278345
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                 62.5%; Score 651; DB 6; Length 652; llarity 100.0%; Pred. No. 2.3e-178; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                         gfu@incyte.com.
                                                                                           /organism="Homo sapiens"
/mol type="mRNA"
/db xref="texon:9606"
/clone lib="FLP"
/note="Vector: pDrive Cloning
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                                                                                                                                                                  Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleost.
Eukaryota; Metazoa; Chordata; Catarrhini; Hominidae; Homo.
1 (bases 1 to 670)
Fu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.
Circular rapid amplification of cDNA ends for high-throughput extension cloning of partial genes
Genomics 84 (1), 205-210 (2004)
Contact: Fu GK
Touris Contact:
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                                                                                                                          Incyte Genomics, Inc.
3160 Porter Dr., Palo Alto,
Tel: 6508454102
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56040088H1 FLP Homo sapiens
CD630087
CD630087.1 GI:40278353
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                                                                                        Email: gfu@incyte.com.
Location/Qualifiers
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/organism="Homo sapiens"
|mol type="mRNA"
|db_xref="taxon:9606"
|clone lib="FLP"
|note="Vector: pDrive Cloning Vector"
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Eukaryota Metazoa; Chordata; Craniata; Vertebrata; Euteleosto Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 663)

Fu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.

Circular rapid amplification of cDNA ends for high-throughput extension cloning of partial genes

Genomics 84 (1), 205-210 (2004)

Contact: Fu GK

Incyte Genomics, Inc.
                                                                                                       Homo sapiens (human)
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Tel: 6508454102
Email: gfu@incyte
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/db_xref="taxon:9606"
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3160 Porter Dr., Palo Alto, CA 94304, USA
Tel: 6508454102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L. Circular rapid amplification of cDNA ends for high-throughput extension cloning of partial genes Genomics 84 (1), 205-210 (2004)

Contact: Fu GK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Suteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 682)
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                   GTTATCTGCTGATCATTCGGG 679
                                                                             CCATGAACTATATTGCCTTGGTGGTGGGCCTGCCTGCCATTTTTCACACTCAGCATCT
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone_lib="FLP"
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Location/Qualifiers
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Plate: IRBI02 row: f column: 05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Email: cgapbs-r@mail.nih.gov
Tissue Procurement: GPCR Consortium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Contact: Daniela S. Gerhard, Ph.D. Office of Cancer Genomics National Cancer Institute / NIH Bldg. 31 Rm10A07 Bethesda, MD 20892
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
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Mammalia; Eutheria;
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  GCCATTTCAGATCTCCTGTTCATAAGCACGCTTCCCTTCAGGGCTGACTATTATCTTAGA 300
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                                                                    TATGTTTTCCTGCAGCCTTATAAGAAGTCCACATCTGTGAACGTTTTTCATGCTAAATCTG
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                                          TATGTTTTCCTGCAGCCTTATAAGAAGTCCACATCTGTGAACGTTTTCATGCTAAATCTG
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/note="Vector: pcDNA3.1; Site 1: varies by clone; Site 2: varies by clone; ORFs were PCR-amplified and cloned into pcDNA3.1 by the GPCR Consortium. Cloning sites vary by clone and include the following: 5'-EcoRV-XmnI/XhoI-3', 5'-EcoRV-XmnI/NotI-3', EcoRV (TA cloned, non-directional). For information about which gene each clones represents, please visit our anonymous ftp site at ftp://image.llnl.gov/image/rearrayed_plates/IRBI.preSV.data Note: this is a NIH_MGC Library."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /mol_type="mRNA"
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/clone="IMAGE:6971946"
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/lab_host="DH10B"
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100.0%; Pred. No. 3e-167;
tive 0; Mismatches 0;
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                                                                                                                                1 ATGGAGAGAAAATTTATGTCCTTGCAACCATCCATCTCCGTATCAGAAATGGAACCAAAT
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 633)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CD630066 633 bp mRNA linea 56039816R6 FLP Homo sapiens cDNA, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                         Fu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L. Circular rapid amplification of cDNA ends for high-throughput extension cloning of partial genes Genomics 84 (1), 205-210 (2004)

Contact: Fu GK
                                                                                                                                                                                                                                                                                                                                  Incyte Genomics, Inc.
3160 Porter Dr., Palo Alto,
Tel: 6508454102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CD630066.1 GI:40278332
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                                                                                                                                                             Conservative
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                                                                                                                                                                                                                                                     /organism="Homo sapiens"
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                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                            /clone_lib="FLP"
/note="Vector: pDrive Cloning Vector"
                                                                                                                                                           56.8%; Score 591; DB 6; Length 633; 99.8%; Pred. No. 7.5e-161; Indels
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Υ	181 TATGTTTTCCTGCAGCCTTATAAGAAGTCCACATCTGTGAACGTTTTCATGCTAAATCTG 240	
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ъ	242 GCCATTTCAGATCTCCTGTTCATAAGCACGCTTCCCTTCAGGGCTGACTATTATCTTAGA 301	
Υ	301 GGCTCCAATTGGATATTTTGGAGACCTGGCCTGCAGGATTTATGTCTTATTCCTTGTATGTC 360	
ъ	302 GGCTCCAATTGGATATTTGGAGACCTGGCCTGCAGGATTATGTCTTATTCCTTGTATGTC 361	
Υ.	361 AACATGTACAGCAGTATTTATTTCCTGACCGTGCTGAGTGTTGTGCGTTTCCTGGCAATG 420	
ъ	362 AACATGTACAGCAGTATTTATTTCCTGACCGTGCTGAGTGTTGTGCGTTTCCTGGCAATG 421	
٧	421 GTTCACCCCTTTCGGCTTCTGCATGTCACCAGCATCAGGAGTGCCTGGATCCTCTGTGGG 480	
ф	422 GTTCACCCCTTTCGGCTTCTGCATGTCACCAGCATCAGGAGTGCCTGGATCCTCTGTGGG 481	
¥	481 ATCATATGGATCCTTATCATGGCTTCCTCAATAATGCTCCTGGACAGTGGCTCTGAGCAG 540	
ъ	482 ATCATATGGATCCTTATCATGGCTTCCTCAATAATGCTCCTGGACAGTGGCTCTGAGCAG 541	
Υ	541 AACGGCAGTGTCACATGCTTAGAGC-TGAATCTCTATAAAATTGCTAAGCTGCAGAC 599	
ъ	542 AACGGCAGTGTCACATCATGCTTAGAGCTTGAATCTCTATAAAATTGCTAAGCTGCAGAC 601	
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*
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US-09-170-496D-32
PCT-US95-07180-2
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US-08-519-524A-4
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US-08-181-707-4
US-08-181-707-4
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Sequence 6, Ap	0	Sequence 6, App	Sequence 6, App	Sequence 2, App	Sequence 3, App	Seguence 3, App	Sequence 3, Appli	N	Sequence 2, App	Sequence 2, App	Sequence 9, App	373	Sequence 3, Appl	Sequence 15, App.	Sequence 2, Appl	Sequence 17, App	Sequence 206, App

## ALIGNMENTS

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Sequence 2, Application US/09585876
Sequence 2, Application US/09585876
GENERAL INFORMATION:
APPLICANT: Glucksmann, Maria Alexandra
APPLICANT: Silos-Santiago, Immaculada
TITLE OF INVENTION: 43239, A No. 6586205el GPCR-Like Molecule and
TITLE OF INVENTION: Uses Thereof
FILE REFERENCE: 5800-88
CURRENT APPLICATION NUMBER: US/09/585,876
CURRENT APPLICATION NUMBER: 05/182,061
EARLIER APPLICATION NUMBER: 60/182,061
EARLIER APPLICATION NUMBER: 60/182,061
SEQID NOS: 2
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 2
LENGTH: 346
TYPE: PRT
CRGANISM: Homo sapiens
US-09-585-876-2
                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 99.5
Best Local Similarity 99.4
Matches 328; Conservative
                                                                                                                                                                                                                                                                 KSALRKGHPQKAKTKCVFPVSVWLRKETRV 330
                                                                  FLCFLPYHTLRTVHLTTWKVGLCKDRLHKALVITLALAAAAACFNPLLYYFAGENFKDRL
                                                                                                                   FLAMVHPFRLLHVTSIRSAWILCGIIWILIMASSIMLLDSGSEQNGSVTSCLELNLYKIA
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                                                 FLCFLPYHTLRTVHLTTWKVGLCKDRLHKALVITLVLAAANACFNPLLYYFAGENFKDRL
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTMARE: FRANCE FOR WINDOWS VERSION 2.0 CURRENT APPLICATION NATA:
APPLICATION NUMBER: US/09/044,404A
FILING DATE: MARCH 19, 1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/844,795
FILING DATE: APRIL 22, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T.
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH-70001-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-770-5219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 2, Appli
Patent No. 620077
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO. SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett,
COMPUTER: IBM Compat;
COMPUTER: DO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: CDNA CLONE HMTTITLE OF INVENTION: A NOVEL HUMAN NUMBER OF SEQUENCES: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: FOLEY, JAMES APPLICANT: SARAU, HENRY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                          246
                                                                                                                                              129 RLLHVTSIRSAWILCGIIWI-LIMASSIMLLDSGSEQNGSVTSCLELNLYKIAK--LQTM 185
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                                                 NYIAĻVVGCLLPFFTLSICYLLIRVLKVEVPESGLRVSHRKALTTIIITLIIFFLCFL 245
PYHTLRTVHLTTW--KVGLCKD--RLHKALVITLALAAANACENPLLYYEAGENEKDRLK 301
                                                                                                                QNINLVTQKKARFVCVGIWIFVILTSSPFLMAKPQKDGKNNTKCFEPPQDNQTKNHVLVL 189
                                                                                                                                                                                 LLFISTLPFRADYYLRGSNWIFGDLACRIMSYSLYVNWYSSIYFLTVLSVVRFLAMVHPF 128
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              610-270-5090
                                                                                                                                                                                                                                                                                                                  32.7%; Score 559; DB 3; Length 337; ilarity 38.0%; Pred. No. 7.7e-36; Conservative 71; Mismatches 106; Indels
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BLLIS, CATHERINE
AMES, ROBERT
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A NOVEL HUMAN 7-TRANSMEMBRANE RI
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RESULT 4
US-08-153-848-44
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; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-09-586-924-2
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SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 32.7%; Score 559; DB 4; Length 337; Best Local Similarity 38.0%; Pred. No. 7.7e-36; Matches 116; Conservative 71; Mismatches 106; Indels
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APPLICANT: SATHE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: COMA CLONE HMTMF81 THAT ENCODES A NOVEL TITLE OF INVENTION: HUMAN 7-TRANSMEMBRANE RECEPTOR FILE REFERENCE: GH-70001-1D1 CURRENT EPPLICATION NUMBER: US/09/586,924 CURRENT FILING DATE: 2000-06-05 PRIOR APPLICATION NUMBER: 09/044,404 PRIOR APPLICATION NUMBER: 09/044,404 PRIOR PILING DATE: 1998-03-19 PRIOR APPLICATION NUMBER: 08/844,795 PRIOR APPLICATION NUMBER: 08/844,795 PRIOR FILING DATE: 1997-04-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
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                                                                           307
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5. 6506878
                                                                         STFRK 311
                                                                                                                                                                       PYHTLRTVHLTTW--KVGLCKD--RLHKALVITLALAAANACFNPLLYYFAGENFKDRLK 301
                                                                                                                                                                                                                                                    NYIALVVGCLLPFFTLSICYLLIIRVLLKVEVPESGLRVSHRKALTTIIITLIIFFLCFL
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HALSEY, WENDY
ELLIS, CATHERINE E
AMES, ROBERT S.
FOLEY, JAMES J.
SARAU, HENRY M.
CHAMBERS, JOHN
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                                                                                                                                                                                                                                                      245
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Sequence 44, Application US/08153848 Patent No. 5759804 GENERAL INFORMATION:

APPLICANT: APPLICANT:

Godiska, Ronald Gray, Patrick W. Schweikart, Vicki

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APPLICATION: 514
CIASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 07/977,452
PILING DATE: 17-NOV-1992
ATTORNEY AGENT INFORMATION:
NAME: No. 5759804and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1474-6300
                                                                                         RESULT 5
US-08-812-871-3
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Sequence 3, Application US/08812871
Patent No. 5955303
GENERAL INFORMATION:
APPLICANT: Au-Young, Janice
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 28.0%; Score 479; DB 1; Length 339; Best Local Similarity 34.8%; Pred. No. 1.2e-29; Matches 112; Conservative 62; Mismatches 126; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 44:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 339 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/153,848
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: No. 5759804el Seven Transmembrane Receptors NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (312) 474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Chicago
STATE: Illinois
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & ADDRESSEE: Bicknell
                                                                                                                                                                                                                                                                                                                                                                                                                                             135
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VADLSCVLVLPTRLVYHFSGNHWPFGEIACRLTGFLFYLNMYASIYFLTCISADRFLAIV
                                                                                                                                                                                                                      DRIKSAL----RKGHPQKAKTK 315
                                                                                                                                                                                                                                                                                                        LCFLPYHTLRTVHLTTWKV--GLCKDRLHKALV--ITLALAAANACFNPLLYYFAGENFK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PSNNNSRNCTIEN-FKREFFPIVYLIIFFWGVLGNGLSIYVFLQPYKKSTSVNVFMLNLA 65
                                                                                                                                                                                                                                                                    VCFVPYHVNRSVYVLHYRSHGASCATQRILALANRITSCLTSLNGALDPIMYFFVAEKFR
                                                                                                                                                                                                                                                                                                                                                                                                                                          HPVKSLKLRRPLYAHLACAFLWVVVAVAMAPLLVSPQTVQTNHTVVCLQ--LYR-EKASH 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6300 Sears Tower, 233 South Wacker Drive
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  RESULT 6
US-09-299-843A-44
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches 112; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/812,871
FILING DATE: Filed Herewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
ATTORNEY/AGENT INFORMATION:
ANAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415.855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 992700
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 339 amino acid
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ADDRESSEE: Incyte Pharmaceuticals,
STREET: 3174 Porter Dr.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Guegler, Karl
APPLICANT: Muzong Cheng
TITLE OF INVENTION: NOVEL HUMAN CHEMOKINE RECEPTOR-LIKE
TITLE OF INVENTION: PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
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Local Similarity 34.8%; Pred. No. 1.2e-29;
nes 112; Conservative 62; Mismatches 126;
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STATE: CA
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                                                                                         306
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                                                                                         HALCNLLCGKRLKGPPPSFEGK 327
                                                                                                                                                                                                                    LCFLPYHTLRTVHLTTWKV--GLCKDRLHKALV--ITLALAAANACFNPLLYYFAGENFK 297
                                                                                                                                                                                                                                                                                                    MNYIALVVGCLLPFFTLSICYLLIIRVLKVEVPESGLRVSHR---KALTTIITLIIFF
                                                                                                                                                                                                                                                                                                                                                      HPVKSLKLRRPLYAHLACAFLWVVVAVAMAPLLVSPQTVQTNHTVVCLQ--LYR-EKASH 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FSLATAEQCGQETPLENMLFASFYLLDFILALVGNTLALMLFIRDHKSGTPANVFLMHLA
                                                                                                                                                                           VCFVPYHVNRSVYVLHYRSHGASCATQRILALANRITSCLTSLNGALDPIMYFFVAEKFR
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Best Local Similarity
Matches 112; Conserv
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/088,337
FILING DATE: 01-JUN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/153,848
FILING DATE: 17-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Jill B. Uhl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS
LENGTH: 339 amino aci
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APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: No. 6107475el Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 27
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
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MEDIUM TYPE: Floppy
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APPLICATION NUMBER: US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Jill B. Uhl REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE:
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     246
                                   242 LCFLPYHTLRTVHLTTWKV--GLCKDRLHKALV--ITLALAAANACFNPLLYYFAGENFK 297
                                                                         192 HALVSLAVAFTFFFTTTVTCYLLIIRSL-----ROGLRVEKRLKTKAVRMIAIVLAIFL
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6107475
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid
                                                                                                         MNYIALVVGCLLPFFTLSICYLLIIRVLLKVEVPESGLRVSHR----KALTTIITLIIFF 241
                                                                                                                                                                                       HPFRLLHVTSIRSAWILCGIIWILI-MASSIMLLDSGSEQNGSVTSCLELNLYKIAKLQT 184
                                                                                                                                                                                                                                 VADLSCVLVLPTRLVYHFSGNHWPFGEIACKLTGFLFYLNMYASIYFLTCISADRFLAIV
                                                                                                                                                                                                                                                                     ISDLLFISTLPFRADYYLRGSNWIFGDLACRIMSYSLYVNMYSSIYFLTVLSVVRFLAMV 125
VCFVPYHVNRSVYVLHYRSHGASCATQRILALANRITSCLTSLNGALDPIMYFFVAEKFR
                                                                                                                                                   HPVKSLKLRRPLYAHLACAFLWVVVAVAMAPLLVSPQTVQTNHTVVCLQ--LYR-EKASH 191
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6300 Sears Tower,
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US-09-088-337B-44
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                                                                                                                                                                                                                                                                                                                                                        Matches
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INFORMATION FOR SEQ ID NO: 44:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: No. 6348574and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/088,337B
FILING DATE: 01-Jun-1998
CLASSIFICATION: <Unknown>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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Schweikart, Vicki L.
TITLE OF INVENTION: No. 6348574el Seven Transmembrane Receptors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Godiska, Ronald
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                            185
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MMYIALVVGCLLPFFTLSICYLLIRVLLXVEVPESGLRVSHR---KALTTIIITLIIFF 241
                                                                     HPVKSLKLRRPLYAHLACAFLWVVVAVAMAPLLVSPQTVQTNHTVVCLQ--LYR-EKASH 191
                                                                                                                 HPFRLLHVTSIRSAWILCGIIWILI-MASSIMLLDSGSEQNGSVTSCLELNLYKIAKLQT 184
                                                                                                                                                                                                                                                          FSLATAEQCGQETPLENMLFASFYLLDFILALVGNTLALWLFIRDHKSGTPANVFLMHLA 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 08/153,848
FILING DATE: 17-NOV-1993
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 339 amino acids
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TELEFAX: (312) 474-0448
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                                                                                                                                                                                                                                                                                                                                                   62; Mismatches 126;
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RESULT 9
PCT-U893-11153-44
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I TYPE: PRT
ORGANISM: Homo Bapiens
US-09-170-496D-32
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                                                          Sequence 44, Application PC/TUS9311153
GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PILE REPERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/09/170,496D
CURRENT FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: PATENTIN VETSION 3.1
SEQ ID NO 32
LENGTH: 339
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Best Local Similarity
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TITLE OF INVENTION: Receptors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Behan, Dominic P. APPLICANT: Chalmers, Derek T. APPLICANT: Liaw, Chen W.
                                             CORRESPONDENCE ADDRESS:
                           ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                192
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                                                                                                                                                                                                                                                                                                                                                DRLKSAL----RKGHPQKAKTK 315
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HPVKSLKLRRPLYAHLACAFLWVVVAVAMAPLLVSPQTVQTNHTVVCLQ--LYR-EKASH 191
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                                                                                                                                                                                                                                                                                                                                                                                             VCFVPYHVNRSVYVLHYRSHGASCATQRILALANRITSCLTSLNGALDPIMYFFVAEKFR 305
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  Marshall, O'Toole, Bicknell
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                      Gerstein,
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PCT-US93-11153-44
                                                            Sequence 2, Application PC/TUS9507180
GENERAL INFORMATION:
APPLICANT: LI, YI
APPLICANT: COCAYNE, JEANINE D
APPLICANT: RUBEN, STEVEN M
TITLE OF INVENTION: G-PROTEIN RECEPTOR HIBEB69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 339 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 34.8 Matches 112; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 31
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
                      NUMBER OF SEQUENCES: !
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOPTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
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CITY: C
STATE:
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TOPOLOGY: linear
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OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                    246
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3: Illinois
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HPVKSLKLRRPLYAHLACAFLWVVVAVAMAPLLVSPQTVQTNHTVVCLQ--LYR-EKASH 191
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CARELLA,
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BYRNE, BAIN, GILFILLAN, CECCHI,
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ADDRESSEE: STEWART & OLSTEIN STREET: 6 BECKER FARM ROAD

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US-09-170-496D-182
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                                                                                                                                                                                         Sequence 182, Application US/09170496D Patent No. 6555339 GENERAL INFORMATION:
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Best Local Similarity
           APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/09/170,496D
CURRENT FILING DATE: 1998-10-13
NUMBER OF
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TYPE: amino acid
TOPOLOGY: linc
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/07180
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TELEPHONE: 201-994-1700
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REGISTRATION NUMBER: 30
REFERENCE/DOCKET NUMBER:
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CITY: ROSELAND
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CLASSIFICATION:
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; ORGANISM: Homo
US-09-170-496D-182
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Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn version
SEQ ID NO 182
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Best Local Similarity
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                                                                                                                                                                                                   ZIF: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                     CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: FUJII, RYO
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhiro
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
NUMBER OF SEQUENCES: 380
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                                                   FILING DATE: 10-AUG-1995 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                         STREET: 130 W
                 APPLICATION NUMBER: JP 7-093989 FILING DATE: 19-AUG-1995
                                                                                                                                                                                                                                                                                                     COUNTRY: US
ZIP: 02109
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o. 6114139
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              75 VADLSCVLVLPTRLVYHFSGNHWPFGEIACRLTGFLFYLNMYASIYFLTCISADRFLAIV
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USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HPVKSLKLRRPLYAHLACAFLWVVVAVAMAPLLVSPQTVQTNHTVVCLQ--LYR-EKASH 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HPFRLLHVTSIRSAWILCGIIWILI-MASSIMLLDSGSEQNGSVTSCLELNLYKIAKLQT 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DRIKSAL----RKGHPQKAKTK 315
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                                                                                                                                                                                                                                                                                                                                                                                   130 Water Street
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RQGLRVEKRLKTKAKRMIAIVLAIFL
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APPLICATION NUMBER: 16-MAI

JP 7-057186

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RESULT 13
US-09-745-842-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 20-JAN-
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PILING DATE: 11-AUG-1945
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: JP 6
PILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
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APPLICATION NUMBER:
FILING DATE: 30-SEP-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45'
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity 30.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: JP 6 FILING DATE: 02-NOV-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
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                                                           312
                                                                                                                                                                                200
                                                                                                                                                                                                              174
                                                                                                                                                                                                                                          141 GVVHPLKSLGRLKKKNAVYVSSLVWALVVAVIAPILFYSGIGVRRNKTIT-CYDTTADEY 199
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                                                                                      LYYFAGENFKDRLKSALRK 306
                                                                                                                                               IITLIIFFLCFLPYHTLRTVHL-----TTWKVGLCKDRLHKALVITLALAAANACFNPL 287
                                                                                                                                                                                                         LNLYKIAKLQTMNYIALVVGCLLPFFTLSICYLLIIRVLLKVEVPESGLKVSHRKALTTI
                                                                                                                                                                                                                                                                                                                                 NLAISDLLFISTLPFRADYYLRGSNWIFGDLACRIMSYSLYVNMYSSIYFLTVLSVVRFL 122
                                                                                                                                                                                                                                                                                                                                                               GWAAGNATTKCSLTKTGFQFYYLPTVYILVFITGFLGNSVAIWMFVFHMRPWSGISVYMF
                                                                                                                                                                                LRSYFVYSMCTTVFMFCI----PFIVILGCYGLIVKALIYKDLDNSPLR---RKSTYLV
                                                                                                                                                                                                                                                                       AMVHPFRLLHVTSIRSAWILCGIWILIMASSIMLL---DSGSEQNGSVTSCLE-----
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                                                           LYFLAGDTFRRRLSRATRK 330
                                                                                                                    IIVLTVFAVSYLPFHVMKTLNLRARLDFQTPQMCAFNDKVYATYQVTRGI,ASLNSCVDPI 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 362 amino acids
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Pred. No. 3e-28;
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RESULT 14
US-08-559-524A-4
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                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Conley, Pamela B.
APPLICANT: Jantzen, Hans-Michael
TITLE OF INVENTION: NOVEL PURINERGIC RE
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN, LEWIS & BOCKIUS LI
STREET: 1800 M Street, N.M.
                                                                                                                                                                                                                                                                                                                                                     sequence 4, Application US/08559524A
Patent No. 5871963
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LENGTH: 373
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
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Best Local Similarity
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APPLICANT: Ramakrishnan-DuBridge, V
APPLICANT: Julius, David
APPLICANT: Hollopeter, Gunter
APPLICANT: COR Therapeutics, Inc.
TITLE OF INVENTION: P2712 Receptor
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CURRENT APPLICATION NUMBER: US/09/745,842
CURRENT FILING DATE: 2000-12-26
PRIOR APPLICATION NUMBER: US 60/171,622
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 21
SOFTWARE: PatentIn Ver. 2.1
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ORGANISM: Homo sapiens
FEATURE:
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                         COUNTRY: USA
ZIP: 20036-5869
                                                                                                                        CITY: Washington STATE: D.C.
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o. 6762029
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      64 LAISDLLFISTLPFRADYYLRGSNWIFGDLACRIMSYSLYVNMYSSIYFLTVLSVVRFLA 123
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             VVYPLKSLGRLKKKNAICISVLVWLIVVVAISPILFYSGTGVRKNKTIT-CYDTTSDEYL
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Ramakrishnan-DuBridge, Vanitha
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                                                                                                                                                                                                                                                                    RECEPTOR
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US-08-749-707-4
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                                                                                                                                                                                                                              Sequence 4, Application US/08749707
Patent No. 6063582
GENERAL INFORMATION:
APPLICANT: Conley, Pamela B.
APPLICANT: Jantzen, Hans-Michael
TITLE OF INVENTION: NOVEL PURINERGIC RECEPTOR
NUMBER OF SEQUENCES: 14
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Matches
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INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 04-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-467-7000
TELEFAX: 202-467-7176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY AGENT INFORMATION:
NAME: Adler, Reid G.
REGISTRATION NUMBER: 30,988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 373 amino
TYPE: amino acid
STRANDEDNESS:
1inear
                                                                                                                      COUNTRY:
                                                                                                                                          STATE: D.C
                                                                                                                                                         CITY: Washington
                                                                                                                                                                              STREET:
                                                                                                                                                                                             ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/08/559,524A FILING DATE: 15-NOV-1995 CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    301 KSALRK 306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    222 --TVAMFC-VPLVLILGCYGLIVRALIYKDLDNSPLR---RKSIYLVIIVLTVFAVSYIP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                45 TKTGFQFYYLPAVYILVFIIGFLGNSVAIWMFVFHMKPWSGISVYMFNLALADFLYVLTL 104
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                                                                                                           20036-5869
APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                SRATRK 341
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                                                                                                                                                                          E: MORGAN, LEWIS & BOCKIUS LLP
                                                                                                                            USA
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                Version #1.30
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; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-749-707-4
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SEQUENCE CHARACTERISTICS:
LENGTH: 373 amin
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FILING DATE: 15-NOV-1996
CLASSIFICATION: 5-36
ATTORNEY/AGENT INFORMATION:
NAME: Adler, Reid G.
REGISTRATION NUMBER: 30,988
REFERENCE/DOCKET NUMBER: 044481-5010-01-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-467-7000
336 SRATRK 341
                                       301 KSALRK 306
                                                                               276 FHVMKTMNLRARLDFQTPEMCAFNDRVYATYQVTRGLASLNSCVDPILYFLAGDTFRRRL
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                                                                                                                                                                                                     187 YIALVVGCLLPFFTLSICYLLIIRVLLKVEVPESGLRVSHRKALTTIIITLIIFFLCFLP 246
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Search completed: March 18, 2005, 16:22:31 Job time: 32.7544 secs

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Perfect score:
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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           Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
         409.5
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1712
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1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*
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         MEPNGTFSNNNSRNCTIENF......KAKTKCVFPVSVWLRKETRV 330
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T09508
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g protein-coupled lymphocyte-specifi G protein-coupled MIP-1 alpha recept G protein-coupled somatostatin recep somatostatin recep G protein-coupled
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$33773
$33773
G protein-coupled receptor - chicken
C;Species: Gallus gallus (chicken)
C;Species: Gallus gallus (chicken)
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 09-Jul-2004
C;Accession: S3373
R;Webb, T.E.; Simon, J.; Krishek, B.J.; Bateson, A.N.; Smart, T.G.; King, B.F.; Burnstoc)
FEBS Lett. 324, 219-225, 1993
A;Title: Cloning and functional expression of a brain G-protein-coupled ATP receptor.
A;Reference number: S33733; MUID:93285340; PMID:8508924
A;Accession: S33733
A;Status: preliminary
A;Molecule type: mtNA
A;Residues: 1-362 <WEBS
A;Cross-references: UNIPROT:P34996; EMBL:X73268; NID:g395084; PIDN:CAA51716.1; PID:g39508
C;Superfamily: ATP receptor P2u
C;Keywords: G protein-coupled receptor; transmembrane protein
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45	44	43	42	41	40	39	38	37	36	35	34	ω u	32	31	30
356	356	356.5	356.5	356.5	357	360	361.5	363	364.5	366	366	370	370.5	371.5	372
20.8	20.8	20.8	20.8	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.4	21.6	21.6	21.7	21.7
363	359	378	361	333	328	432	352	359	362	427	355	365	383	365	363
N	N	N	N	N	N	N	N	N	N	ผ	N	N	N	N	2
A49092	A48857	A45680	JC5653	I65989	JC4800	A43448	A43113	S15403	JN0694	S17148	G02436	S68679	S55594	S68208	<b>I57940</b>
angiotensin II rec	angiotensin II rec	G protein-coupled	G protein-coupled	G protein-coupled	P2Y6 receptor - hu	thrombin receptor	chemokine (C-C) re	angiotensin II rec	angiotensin II rec	alpha-thrombin rec	chemokine (C-C) re	G protein-coupled	G protein-coupled	G protein-coupled	somatostatin recep

## ALIGNMENTS

RESULT 2 I50241 G protei N;Altern	В	Ş	Db	Ş	Ъ	Ş	Db	Ş	В	Ş	Дb	Ş	Matches	Query Match
RESULT 2 150241 G protein-coupled receptor 6H1 - chicken M,Alternate names: purinoceptor 6H1 G.Goecias: Gallus Gallus (chicken)	312 LYFLAGDTFRRRLSRATRK 330	288 LYYFAGENFKDRLKSALRK 306	252 IIVLTVFAVSYLPFHVMKTLNLRARLDFQTPQMCAFNDKVYATYQVTRGLASLNSCVDPI 311	234 IITLIIFFLCFLPYHTLRTVHLTTWKVGLCKDRLHKALVITLALAAANACFNPL 287	200 LRSYFVYSMCTTVFMFCIPFIVILGCYGLIVKALIYKDLDNSPLRRKSIYLV 251	174 LNLYKIAKLQTMNYIALVVGCLLPFFTLSICYLLIIRVLLKVEVPBSGLRVSHRKALTTI 233	141 GVVHPLKSLGRLKKKNAVYVSSLVWALVVAVIAPILFYSGTGVRRNKTIT-CYDTTADEY 199	LIMASSIMLLDSGSEQN	CKLQRFIF	DLLFISTLPFRADYYLRGSNWIFGDLA	21 GWAAGNATTKCSLTKTGFQFYYLPTVYILVFITGFLGNSVAINMFVFHMRPWSGISVYMF 80	5 GTFSNNNSRNCTIENFKREFEPIVYLIIFFWGVLGNGLSIYVFLQPYKKSTSVNVFML 62	vative 83	Query Match 27.3%; Score 467; DB 2; Length 362;

```
RESULT 3

JC4737
G protein-coupled receptor P2Y1 - human
N;Alternate names: P2Y1 purinergic receptor; P2Y1 purinoceptor
C;Species: Homo sapiens (man)
C;Date: 10-May-1996 #sequence_revision 16-Aug-1996 #text_change 09-Jul-;
C;Accession: JC4737; JC46L5; S54253
R;Janssens, R; Communi, D.; Pirotton, S.; Samson, M.; Parmentier, M.;
Biochem. Biophys. Res. Commun. 221, 588-593, 1996
A;Title: Cloning and tissue distribution of the human P2Y1 receptor.
A.Paference number: JC4737; MUID:96205320; PMID:8630005
            A; Cross-references:
                              A; Molecule type: DNA
A; Residues: 1-373 < JAN>
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F;177-201/Domain: transmembrane #status predicted <TM5>
F;227-248/Domain: transmembrane #status predicted <TM6>
F;269-292/Domain: transmembrane #status predicted <TM7>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Gene: p2Y5
C;Superfamily: ATP receptor P2
C;Keywords: G protein-coupled
C;Keywords: G
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Biochem, Biophys. Res. Commun. 219, 105-110, 1996
A;Title: Identification of 6Hl as a P2Y purinoceptor: P2Y5.
A;Reference number: JC4618; MUID:96190677; PMID:8619790
A;Accession: JC4618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Cross-references: GB:L06109; NID:g304383; PIDN:AAB06587.1; A;Experimental source: T-cells C;Comment: This receptor plays a role in T-cell activation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Title: Identification of a G protein coupled receptor induced A;Reference number: I50241; MUID:93329058; PMID:8393036 A;Accession: I50241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Molecule type: mRNA
A;Residues: 1-308 <WEB>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Molecule type: mRNA
A; Residues: 1-308 < KAP>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        188
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             131 LHVTSIRSAWILCGIIWILIMASSI---MLLDSGSEQNGSVTSCLELNLYKIAKLQTMNY 187
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12 SRNCTIB-NEKREFEPIVYLIIFFWGVLGNGLSIYVELQPYKKSTSVNVFMLNLAISDLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 105;
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                                                                                                                                                                                                                                                                                                                                                                                             LPYH-----TLRTVHLTTWKVGLCKDRLHKALVITLALAAANACFNPLLYYFAGE 294
                                                                                                                                                                                                                                                                                                                                                        VPYNITLILYSLMRT---QTWINCSVVTAVRTMYPVTLCIAVSNCCFDPIVYYFTSD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IAL---VVGCLLPFFTLSICYLLIRVLLKVEVPESGLRVSHRKALTTIIITLIIFFLCF 244
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        UNIPROT: P47900; GB: S81950;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pred. No. 3.2e
3; Mismatches
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Pred. No. 3
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.2e-29;
  NID:g1839438; PIDN:AAB47091.1; PID:g18394
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                                                                                                                                                                                   #text_change 09-Jul-2004
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                                                                                                   RESULT 4
JC4162
C;Species: Bos primigenius taurus (cattle)
C;Date: 12-Oct-1995 #sequence_revision 10-Nov-1995 #text_change 09-Jul-2004
C;Accession: JC4162
R;Henderson, D.J.; Elliot, D.G.; Smith, G.M.; Webb, T.B.; Dainty, I.A.
                                                                           P2Y receptor -
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F;11,27,113,197/Binding site: carbohydrate (Asn) (F;258,336/Binding site: phosphate (Ser) (covalent) F;330,339/Binding site: phosphate (Thr) (covalent) F;343/Binding 
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C;Superfamily: ATP receptor P2u
C;Keywords: G protein-coupled receptor; glycoprotein; phosphoprotein; transmembrane
F;22-77/Domain: transmembrane #status predicted <TM1>
F;88-111/Domain: transmembrane #status predicted <TM3>
F;171-191/Domain: transmembrane #status predicted <TM3>
F;171-191/Domain: transmembrane #status predicted <TM4>
F;214-237/Domain: transmembrane #status predicted <TM6>
F;214-237/Domain: transmembrane #status predicted <TM6>
F;214-237/Domain: transmembrane #status predicted <TM9>
F;305-328/Domain: transmembrane #status predicted <TM7>
F;305-328/Domain: transmembrane #status predicted <TM7>
F;305-328/Domain: transmembrane #status predicted <TM7>
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A; Residues: 1-137,119-373 < LEO>
A; Cross-references: EMBL: Z49205;
C; Comment: This receptor belongs
C; Genetics:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          R;Ayyanathan, K.; Webbs, T.E.; Sandhu, A.K.; Athwal, R.S.; Barnard, Biochem. Biophys. Res. Commun. 218, 783-788, 1996
A;Title: Cloning and chromosomal localization of the human P2Y1 puri A;Reference number: JC4615; MUID:96158962; PMID:8579591
A;Accession: JC4615
A;Molecule type: mRNA
A;Residues: 1-373 - CRYYANGE WITE-111778
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                                                                                                                                           YYFAGENFKDRLKSALRK 306
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                                                                                                                                                                                                                                                                       IVLTVFAVSYIPFHVMKTMNLRARLDFQTPAMCAFNDRVYATYQVTRGLASLNSCVDPIL
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9; Mismatches
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No. 4.6e-29
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Elliot,

Smith,

G.M.,

Webb,

T.E.; Dainty, I.A.

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B45680
G protein-coupled peptide receptor EBI 2 - human
C,Species: Homo sapiens (man)
C,Species: Homo sapiens (man)
C,Date: 21-Sep-1993 #sequence_revision 18-Nov-1994 #text_change 09-Jul-2004
C,Accession: B45680
R,Birkenbach, M.; Josefsen, K.; Yalamanchili, R.; Lenoir, G.; Kieff, E.
J. Virol. 67, 2209-2220, 1993
A,Title: Epstein-Barr virus-induced genes: first lymphocyte-specific G protein-con A;Reference number: A45680; MUID:93188173; PMID:8383238
A;Accession: B45680
A,Status: preliminary
A;Molecule type: nucleic acid
A;Residues: preliminary
A;Cross-references: UNIPROT:p32249; GB:L08177; NID:g292056; PIDN:AAA35924.1; PID:A;Experimental source: B-lymphocytes
A;Note: sequence extracted from NCBI backbone (NCBIN:127096, NCBIP:127097)
C;Superfamily: ATP receptor P2u
C;Keywords: G protein-coupled receptor; transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Gene: bovp2y
C;Superfamily: ATP receptor P2u
C;Ruperfamily: ATP receptor P2u
C;Kupwords: glycoprotein; phosphoprotein; receptor; transmembrane: profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile profile prof
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A; Rosidues: 1-373 <HEN>
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A,Title: Cloning and characterisation of a bovine P2Y receptor.
A,Reference number: JC4162; MUID:95352058; PMID:7626079
A,Accession: JC4162
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Best Local Similarity 31.0
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     Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16 TIBNEKREFEPIVYLIIFEWGVLGNGLSIYVELQPYKKSTSVNVEMLNLAISDLLEISTL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SRATRK 341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KSALRK 306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               YHTLRTVHL-----TTWKVGLCKDRLHKALVITLALAAANACENPLLYYFAGENFKDRL 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             YIALVVGCLLPFFTLSICYLLIIRVLLKVEVPESGLRVSHRKALTTIIITLIIFFLCFLP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TKTGFQFYYLPAVYILVFIIGFLGNSVAIWMFVFHMKPWSGISVYMFNLALADFLYVLTL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           --TVAMFC-VPLVLILGCYGLIVRALIYKDLDNSPLR---RKSIYLVIIVLTVFAVSYIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KKNAVYISVLVWLIVVVGISPILFYSGTGIRKNKTIT-CYDTTSDEYLRSYFIYSMCT--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25.8%; Score 442; DB 2; Length 373; 31.0%; Pred. No. 9.8e-29; tive 78; Mismatches 109; Indels
     25.7%;
32.1%;
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     Score 440;
Pred. No. 1
     DB 2;
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                            Length 361;
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C;Genetics:
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3 PNGTFSNNNSRNCTIENFKREFFPIVYLIIFFWGVLGNGLSIYVFLQPYKKSTSVNVFML 62
                                                                                                      IIVVFVLCFTPYHVAIIQHMIK-KLRFSNFLECSQRHSFQISLHFTVCLMNFNCCMDPFI
                                                                                                                                                                                                                                                                            KLQTMNYIALVVGCLLPFFTLSICYLLIIRVLLKVE-----VPESGLRVSHRKALTTIII 235
                                                                                                                                                                                                                                                                                                                                   AVVHPLRYNKIKRIEHAKGVCIFVWILVFAQTLPLLINPMSKQEAERITCMEYPNFEETK 191
                                                                                                                                                                                                                                                                                                                                                                                     AMVHPFRLLHVTSIRSAWILCGIIWILIMASSI-MLLDSGSEQNGSVTSCLEL-NLYKIA 180
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YFFACKGYKRKVMRMLKR
                                                 YYFAGENFKDRLKSALRK 306
                                                                                                                                                                TLIIFFLCFLPYHTLRTVHLTTWKVGL-----CKDR--LHKALVITLALAAANACFNPLL
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C.Accession: T09508
C.Accession: T09508
R.;Bohm, S.K.; Trumpp, A.; Khitin, L.M.; Kong, W.; Payan, D.G.;
R.;Bohm, S.K.; Trumpp, A.; Khitin, L.M.; Kong, W.; Payan, D.G.;
R.;Bohm, S.K.; Trumpp, A.; Khitin, L.M.; Kong, W.; Payan, D.G.;
R.;Bohm, S.K.; Trumpp, A.; Rome, S.K.; Kong, W.; Payan, D.G.;
R.;Bohm, S.K.; Trumpp, A.; Rome, S.K.; Kong, W.; Payan, D.G.;
R.;Bohm, S.K.; Trumpp, A.; Rome, S.K.; Kong, W.; Payan, D.G.;
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R.;Bohm, S.K.; Trumpp, A.; Khitin, L.M.; Kong, W.; Payan, D.G.;
R.;Bohm, S.K.; Trumpp, A.; Khitin, L.M.; Kong, W.; Payan, D.G.;
R.;Bohm, S.; Trumpp, R.; Lang, A;Map position: 13 C;Superfamily: ATP receptor P2u C;Keywords: G protein-coupled receptor; transmembrane protein intron 17 purinergic receptor P2Y5 - human N;Alternate names: G-protein coupled receptor C;Species: Homo sapiens (man) C;Date: 16-Jul-1999 #sequence\_revision 16-Jul-1999 #text\_change 09-Jul-2004 A;Status: preliminary; translated from GB/EMBL/DDBJ / Match 25.5%; Score 436; DB 2; Length 34 Local Similarity 32.0%; Pred. No. 2.8e-28; les 98; Conservative 73; Mismatches 113; Indels 130 LLHVTSIRSAWILCGIIWILIM---ASSIMLLDSGSEQNGSVTSCLELNLYKIAKLQTMN 186 70 LFISTLPFRADYYLRGSNWIFGDLACRIMSYSLYVNMYSSIYFLTVLSVVRFLAMVHPFR 129 11 NSRNCTI-ENFKREFFPIVYLIIFFWGVLGNGLSIYVFLQPYKKSTSVNVFMLNLAISDL SKTLRTKRNAKIVCTGVWLTVIGGSAPAVFVQSTHSQGNNASEACFE-NFPEATWKTYLS RIVIFIEIVGFFIPLILNVTCSSMVLKTLTK-PVTLSRSKINKTKVLKMIFVHLIIFCFC YIAL----VVGCLLPFFTLSICYLLIIRVLLKVEVPESGLRVSHRKALTTIIITLIIFFLC NSSHCFYNDSFKYTLYGCMFSMVFVLGLVSNCVAIYIFICVLKVRNETTTYMINLAMSDL FVPYN----INLILYSLVRTQTFVNCSVVAAVRTMYPITLCIAVSNCCFDPIVYYFTSDT LEVETLEERI-EYETTRIWEEGDLLCKISVMLEYTIMYGSILELTCISVDRELAIVYEEK FLPYHTLRTVHLTTWKVGLCKDRLHKALV-----ITLALAAANACFNPLLYYFAGEN UNIPROT: P43657; EMBL: AF000546; NID: g2232068; PID: g2232069 Length 344; ĺ'n Bunnett, N.W. 22; intron 17 Gaps of the retinobl 297 123 182 241 243 64

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A;Cross-references: UNIPROT:P35383; GB:L14751; NID:g309457; PIDN:AAA39871.1; C;Superfamily: ATP receptor P2u C;Keywords: transmembrane protein
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A;Title: Expression cloning of an ATP receptor from mouse A;Reference number: A47556; MUID:93281707; PMID:7685114
A;Accession: A47556
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A;Molecule type: mRNA
A;Residues: 1-373 <LUS>
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A; Residues: 1-370 <JAN>
A; Cross-references: UNIPROT: (099677;
C; Superfamily: ATP receptor P2u
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                                                      Query Match
Best Local Similarity
Matches 106; Conserv
                                                                                                                                                                                                                                                                                              Accession: A47556
                                                                                                                                                                                                                                                                                                          Species: Mus musculus (house mouse)
Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change
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;Species: Homo sapiens (man)
;Date: 02-Sep_1997 #sequence_revision 05-Sep-1997 #text_change 09-Jul-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                  319
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 124 MVHPFRLLHVTSIRSAWILCGIIWILIMASSIML-LDSGSEQNGSVTSCLELNLYKIAK- 181
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MEP----NGTESNNN-SRNCTI-ENEKREFEDIVYLIIFFWGVLGNGLSIYVFLQPYKK 53
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ilarity 31.8%;
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                                                 Score 418.5; DB 2;
Pred. No. 8.2e-27;
7; Mismatches 131;
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Pred. No. 9.3e-28;
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R;Honda, Z.; Nakamura, M.; Miki, I.; Minami, M.; Watanabe, T.; Seyama, Y.; Okado, Nature 349, 342-346, 1991
A;Tit.le: Cloning by functional expression of platelet-activating factor receptor A;Reference number: $13638; MUID:91101726; PMID:1846231
A;Accession: $13638
A;Accession: $13638
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-342 <HON>
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C;Species: Cavia porcellus (guinea pig)
C;Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change 09-Jul-2004
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                                                                      DRLKSALRKGHPQKAKTKC 316
                                                                                                                                                                                                                           LCFLPYHTLRTVHLTTWKVGLCKDRLHKAL----VITLALAAANACFNPLLYYFAGENFK
                                                                                                                                                                                                                                                                                                                                                                        LQTMNYIALVVGCLLPFFTLSICYLLIIRVLLKVEVPESGLRVSHRKALTTIIITLIIFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LLFLITLPLWIVYYSNQGNWFLPKFLCNLAGCLFFINTYCSVAFLGVITYNRFQAVKYPI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NSRNCTIENFKREFFPIVYLIIFFWGVLGNGLSIYVF--LQPYKKSTSVNVFMLNLAISD
                                                                                                                                                 ICFVPHHMVQ-LPWTLAELGMWPSSNHQAINDAHQVTLCLLSTNCVLDPVIYCFLTKKFR
                                                                                                                                                                                                                                                                                                          PVLIIHICIVLGFFIVFLLILFCNLVIIHTLLRQPVKQQRNAEVRRALWMVCTVLAVFV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KTAQATTRKRGIALSLVIWVAIVAAASYFLVMDSTNVVSNKAGSGNITRCFB-HYEKGSK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RLLHVTSIRSAWILCGIIWILIM--ASSIMLLD-----SGSEQNGSVTSCLELNLYKIAK 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LLFISTLPFRADYYLRGSNWIFGDLACRIMSYSLYVNMYSSIYFLTVLSVVRFLAMVHPF 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NSSSRVDSEFRYTLFPIVYSIIFVLGIIANGYVLWVFARLYPSKKLNEIKIFWVNLTVAD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AKRKSVRTIALVLAVFALCFLPFHVTRTLYYSFRSLDLSCHTLNAINMAYKITRPLASAN 298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SHRKALTTIIITLIIFFLCFLPYHTLRTVHLTTWKVGL-CK--DRLHKALVITLALAAAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DTSARELFSHFVA-----YSSVMLGLLFAVPFSVILVCYVLMARRLLKPAYGTTGGLPR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                VTSCLELNLYKIAKLQTMNYIALVVGCL--LPFFTLSICYLLIRVLLKVEV-PESGLRV
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-NIMRSSQKC
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receptor

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platelet-activating factor receptor - human
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Catcesion: A40191; Becquence_revision 28-Aug-1992 #text_change 39-Jul-2004
C;Accession: A40191; JH0479; Ā41079; JC1359; A42831; I51923
R;Kunz, D; Gerard, N.P.; Gerard, C.
J. Biol. Chem. 267, 9101-9106, 1992
A;Title: The human leukocyte platelet-activating factor receptor. cDNA cloning, c
A;Reference numbor: A40191; MUID:92250505; PMID:1374385
A;Accession: A40191; MUID:92250505; PMID:1374385
A;Accession: A40191
A;Molecule type: mRNA
A;Residues: 1-342 <KUN>
A;Coss-references: UNIPROT:P25105; GB:M76674; NID:9456293; PIDN:AAA60002.1; PID:
A;Coss-references: UNIPROT:P25105; GB:M76674; NID:9456293; PIDN:AAA60002.1; PID:
B;Ye, R.D.; Prosenitz, E.R.; Zou, A.; Cochrane, C.G.
Biochem. Biophys. Res. Commun. 180, 105-111, 1991
A;Reference number: JH0479; MUID:92028922; PMID:1658963
A;Accession: JH0479; MUID:92028922; PMID:1658963
A;Accession: JH0479; MUID:92028922; PMID:1658963
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A;Title: Cloning and expression of a human P-2U nucleotide receptor, a target for cy A;Reference number: A54946; MUID:94211846; PMID:8159738

A;Reference number: A54946
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C; Date:
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A;Map position: 11q13.5-11q14.1
C;Superfamily: ATP receptor P2u
C;Keywords: G protein-coupled receptor; tra
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A;Note: parts of this sequence were
C;Genetics:
  A,Cross-references: GB:M80436; NID:g189537; PIDN:AAA60001.1; A,Experimental source: granulocyte, cell line HL-60 all R,Nakamurs, M.; Honda, Z.; Izumi, T.; Sakanaka, C.; Mutoh, H.
                                                                       A; Molecule type: mRNA
A; Residues: 1-342 < YER>
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A; Residues: 1-375 < PAR>
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Best Local
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T.; Sakanaka,
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                                                                                                                                                                functional receptor for plate:
  H.; Minami, M.; Bito,
                                               PID:g189538
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A;Molecule type: DNA
A;Residues: 1-226,'TG',229-342 <SEY>
A;Residues: 1-226,'TG',229-342 <SEY>
A;Residues: 1-226,'TG',229-342 <SEY>
A;Rose-references: GB:M88177; NID:g190697; PIDN:AAA60214.1; PID:g190698
A;Chose-references: GB:M88177; NID:g190697; PIDN:AAA60214.1; PID:g190698
A;Note: sequence extracted from NCBI backbone (NCBIN:109813, NCBIP:109814)
A;Note: sequence extracted from NCBI backbone (NCBIN:109813, NCBIP:109814)
A;Note: sequence extracted from NCBI backbone (NCBIN:109813, NCBIP:109814)
A;Note: sequence extracted from NCBI backbone (NCBIN:109813, NCBIP:109814)
A;Note: sequence extracted from NCBI backbone (NCBIN:109813, NCBIP:109814)
A;Title: Cloning of a human platelet-activating factor receptor gene: evidence for an A;Reference number: IS1923; MUID:93192035; PMID:8383507
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R;Sugimoto, T.; Tsuchimochi, H.; McGregor, C.G.A.; Mutoh, H.; Shimizu, T.; Kurachi, Y.
Biochem. Biophys. Res. Commun. 189, 617-624, 1992
A;Title: Molecular Cloning and characterization of the platelet-activating factor recept:
A;Reference number: JC1359; MUID:93112021; PMID:1281995
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A;Molecule type: DNA
A;Residues: 1-342 <RES>
A;Cross-references: GB:S56396; NID:g298580; PIDN:AA
A;Cross-references: GB:S56396; NID:g298580; PIDN:AA
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A;Residues: 1-315,'N',317-342 <SUG:
A;Experimental source: heart
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C;Keywords: G protein-coupled receptor; transmembrane protein F;17-38/Domain: transmembrane #status predicted <TRI>F;54-75/Domain: transmembrane #status predicted <TII>F;54-75/Domain: transmembrane #status predicted <TII>
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C;Superfamily: ATP receptor P2u
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A;Title: Molecular cloning and expression of platelet-activating A;Reference number: A41079; MUID:92041873; PMID:1657923
A;Accession: A41079
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Best Local (
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233
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Similarity 31.3%;
MVCTVLAVFIICFVPHHVVQ-LPWTLAELGFQDSKFHQAINDAHQVTLCLLSTNCVLDPV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEPNGTFSNNNSRNCTIENFKREFFPIVYLIIFFWGVLGNGLSIYVF--LQPYKKSTSVN 58
                                                                  TIIITLIIFFLCFLPYHTLRTVHLTTWKVGLCKDRLHKAL----VITLALAAANACFNPL
                                                                                                                                         FE-HYEKGSVPVLIIHIFIVFSFFLVFLIILFCNLVIIRTLLMQPVQQQRNAEVKRRALW
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R;Gerszten, R.E.; Chen, J.; Ishii, M.; Ishii, K.; Nanevicz, T.; Nature 368, 648-651, 1994
A;Title: Thrombin receptor's specificity for agonist peptide is A;Reference number: I51667; MUID:94195429; PMID:8145852
A;Accession: I51667
h;Accession: T51667
                   S
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A; Residues: 1-341 <ISH>
                                                                                                                                                                         A;Status: preliminary
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C;Species: Xenopus laevis (African clawed frog)
C;Date: 13-Sep-1996 #sequence_revision 13-Sep-1996 #text_change 09-Jul-2004
C;Accession: I51667
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Best Local S
Matches 99
                                                                                                             Cross-references: UNIPROT:Q62035; EMBL:D50872; NID:g1256924; PIDN:BAA09468.1; Superfamily: ATP receptor P2u
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                                                                  Similarity
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MEPNGTFSNINNSRNCTIENFKREFFPIVYLIIFFWGVLGNGLSIYVF--LQPYKKSTSVN 58
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                                                  23.6%; ilarity 30.5%; Conservative 6
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                                                   66;
                                              Score 404; DB 2;
Pred. No. 1.1e-25;
6; Mismatches 134
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Pred. No. 1.3e-25;
1; Mismatches 123;
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A;Cross-references: UNIPROT:P55085; EMBL:Z49993; NID:g1008084; PIDN:CAA90290.1; R;Boehm, S.K.; Kong, W.; Broemme, D.; Smeekens, S.P.; Anderson, D.C.; Connolly, Biochem. J. 314, 1009-1016, 1996
A;Title: Molecular cloning, expression and potential functions of the human prot A;Title: Molecular Cloning, expression and potential functions of the human prot A;Reference number: S64709; MUID:96177879; PMID:8615752
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A;Title: Molecular cloning and functional expression of the A;Reference number: 866518; MUID:96048032; PMID:7556175
A;Accession: S66518
                                                                                                                                                                C;Superfamily: ATP receptor P2u F;1-36/Domain: activation peptide #status predicted <APT> F;1-25/Domain: signal sequence #status predicted <SIG> F;37-397/Product: proteinase-activated receptor 2 #status
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-137,'A',139-397 <BOE>
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C;Species: Homo sapiens (man)
C;Date: 28-Oct-1996 #sequence_revision 13-Mar-1997 #text_change 09-Jul-2004
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A; Accession: G02131
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24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  54
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                                                                                                                                                                                                                                                                                                                                                                                         29-397 <KAH>
                                                                                     Similarity
FFPIVYLIIFFWGVLGNGLSIYVFLQFYKKSTSVNVFMLNLAISDLLFISTLFFRADYYL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NRYQAVAYPIKTAQATTRKRGISLSLIIWVSIVATASYFLATDSTNLVPNKDGSGNITRC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PLLYYFAGENFKDRLKSALRKGHPQKAKTKC 316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LE-LNLYKIAKLQTMNYIALVVGC-LLPFFTLSICYLLIIRVLLKVEVPESGLRVSHRKA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PVIYCFLTKKFRKHLS---EKFYSMRSSRKC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LMMVCTVLAVFIICFVPHHVVQ-LPWTLAELGY-QTNFHQAINDAHQITLCLLSTNCVLD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LTTIIITLIIFFLCFLPYHTLRTVHLTTWKVGLCKDRLHKAL----VITLALAAANACFN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEHYEPYSVPILVVHVF1AF---CFFLVFFLIFYCNLVIIHTLLTQPMRQQRKAGVKRRA
                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                EMBL: U36753;
                                                                                   23.4%; Score 400.5; DB 2; 30.7%; Pred. No. 2.6e-25;
                                                         69;
                                                                                                                                                                                                                                                                                                                                                             NID:g1208539;
                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           316
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                                                         33;
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RGSNWIFGDLACRIMSYSLYVNMYSSIYFLTVLSVVRFLAMVHPFRLLHVTSIRSAWILC 143 FLPIVYTIVFVVGLPSNGMALWVFLFRTKKKHPAVIYMANLALADLLSVIWFPLKIAYHI 136

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A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-380 <RES>
A;Cross-references: UNIPROT:P35414; EMBL:U03642; NID:g425351; PIDN:AAA18954.1; PID:g4253
C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        angiotensin receptor homolog APJ - human (58pecies: Homo sapiens (man) (C,Becies: Homo sapiens (man) (C,Date: 15-Mar-1996 #sequence_revision 15-Mar-1996 #text_change 09-Jul-2004 (C,Date: 15-Mar-1996 #sequence_revision 15-Mar-1996 #text_change 09-Jul-2004 (C,Daccession: 138435 (Chan, A.; Heng, H.H.; Tsui, L.; Kennedy, J.L.; Shi, X.; Petr Gene 136, 355-360, 1993 (Gene 136, 355-360, 1993 (Gene 136, 355-360, 1993 (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136435) (Gene 136
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A;Introns: #status absent
C;Superfamily: vertebrate rhodopsin
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                                                                                                                                                                                                                                                                                  239 ---GLR-KRRILISIIVVLVVTFALCMMPYHLVKTLYMLGSLLHWP---CDFDLFLMNIF 291
                                                                                                                                                                                                                                                                                                                                                                                                                                          181
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       189
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                                                                                                                                             292 PYCTCISYVNSCLNPFLYAFFDPRFRQACTSMLCCGQSRCAGT 334
                                                                                                                                                                                                         274 --TLALAAANACENPLLYYFAGENFKDRLKSALRKGHPQKAKT 314
                                                                                                                                                                                                                                                                                                                                                              218 PESGLRVSHRKALTTIIITLIIFFLCFLPYHTLRTVH----LTTWKVGLCKDRLHKALVI 273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           171 CLELNLYKIAKLQT------MNYIALVVGCLLPFFTLSICYLLIIRVLI,------KVEV 217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      114 TVLSVVRFLAMVHPFRLLHVTSIRSAWILCGIIWIL--IMASSIMLL-DSGSEQNGSVTS 170
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 304 NLLLVVHYFLIK-SQGQSHVYALYIVALCLSTLNSCIDPFVYYFVSHDFRIHAKNALL-- 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61 RRSADIFIASLAVADLIFVVTLPLWATYTYRDYDWPFGTFFCKLSSYLIFVNMYASVFCL 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          54 STSVNVFMLNLAISDLLFISTLPFRADYYLRGSNWIFGDLACRIMSYSLYVNMYSSIYFL 113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 MEDNGTFSN----NNSRNCTIENFKRE--FFDIVYLIIFFWGVLGNGLSIY-VFLQPYKK 53
                                                                                                                                                                                                                                                                                                                                                                                                                               CY-MDYSMVATVSSEWAWEVGLGVSSTTVGFVVPFTIMLTCYFFIAQTIAGHFRKERIE-
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Copyright (c) 1993 - 2005 Compugen Ltd.
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11.5	11.7	11.8	12.1	12.2	12.4	12.4	12.6	14.4	14.8	17.0	18.1	30.3	33.5	34.2	40.7	40.7	41.5	41.7	43.1	44.3
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## ALIGNMENTS

	FEATURES Bource		REFERENCE AUTHORS TITLE JOURNAL COMMENT	RESULT 1 CO959137/C LOCUS DEFINITION ACCESSION VERSION VERSION KEYWORDS SOURCE ORGANISM
/mol type="mrNA" /mol type="mrNA" /mol type="mrNA" /mol type="mrNA" /mol type="mrNA" /clone="IMAGE:7389737" /tissue type="mrxed" /clone lib="NIH MGC 146" /clone lib="NIH MGC 146" /clone lib="NIH MGC 146" /note="Vector: pcDNA]: Site 1: multiple; Site 2: /multiple; ORF's were PCR-amplified (from IMAGE clones or from commercially available cDNA libraries) and cloned by the Guthrie cDNA Resource Center (www.guthrie.org/cDNA) into pcDNA3.1. For specific information on cloning sites (which vary by clone), please refer to the Guthrie website, using the Guthrie ID given in the file	Plate: IRBIT row: f column: 03 High quality sequence start: 20 High quality sequence stop: 632. Location/Qualifiers 1720 / Coranisms "Homo sanions"	National Cancer Institute / NIH Bldg. 31 RMIOAO7 Bethesda, MD 20892 Email: cgapbs-r@mail.nih.gov Tissue Procurement: Guthrie cDNA Resource Center cDNA Library Preparation: Guthrie cDNA Resource Center cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Agencourt Bioscience Corporation Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov	מח הכעוף	720 bp mRNA linear NIH MGC_146 Homo sapiens cDNA cl RNA sequence. 3719

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RESULT 2
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Homo sapiens
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Edwaryota; Metazoa; Chordata; Catarrhini; Hominidae; Hon
1 (bases 1 to 758)
Pu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.
Circular rapid amplification of cDNA ends for high-throuextension cloning of partial genes
Genomics 84 (1), 205-210 (2004)
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a. Note: this is a NIH_MGC Library."
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Tel: 6508454102
Email: gfu@incyte
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone_lib="FLP"
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1 (bases 1 to 762)

Pu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.

Circular rapid amplification of cDNA ends for high-throughput extension cloning of partial genes

Genomics 84 (1), 205-210 (2004)

Contact: Fu GK

Incyte Genomics, Inc.

3160 Porter Dr., Palo Alto, CA 94304, USA
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Homo sapiens
Eukaryota; Metazoa;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAGAGAGAATTTTTCCCAATTGTATATCTGATAATATTTTTCTGGGGAGICTTGGGAAAT 120
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                      ACTCAGCATCTGTTATCTGCTGATCATTCGGGTTCTGTTA--AAAGTGGAGGT-CCCAGA
                                                                                    AAGCTGCAGACCATGAACTATATTGCCTTGGTGGTGGGCTGCC-TGCTGCCATTTTTCAC
                                                                                                                                  GGCTCTGAGCAGAACGGCAGTGTCACATCATGCTTAGAGCTGAATCTCTATAAAATTGCT
                                                                                                                                                                                  ATCCTCTGTGGGATCATATGGATCCTTATCATGGCTTCCTCAATAATGCTCCTGGACAGT
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/mol type="mRNA"

/db_xref="taxon:9606"

/clome_llb="FLP"

/note="Vector: pDrive Cloning Vector"
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99.4%; Pred. No. 2.3e-182;
tive 0; Mismatches 0; Indels
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleosto Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 745)

Pu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.
Circular rapid amplification of cDNA ends for high-throughput extension cloning of partial genes
Genomics 84 (1), 205-210 (2004)

Contact: Fu GK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Incyte Genomics, Inc.
3160 Porter Dr., Palo Alto,
Tel: 6508454102
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56039924J1 FLP Homo sapi
CD630072
CD630072.1 GI:40278338
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                    GGCTCTGAGCAGAACGGCAGTGTCACATCATGCTTAGAGCTGAATCTCTATAAAATTTGCT
                                                                                             ATCCTCTGTGGGATCATATGGATCCTTATCATGGCTTCCTCAATAATGCTCCTGGACAGT
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/mol type="mRNA"
/db_xref="rtaxon:9606"
/clome_llb="FLP"
/note="Vector: pDrive Cloning Vector"
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1 (bases 1 to 726)

Fu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.

Circular rapid amplification of cDNA ends for high-throughput extension cloning of partial genes

Genomics 84 (1), 205-210 (2004)

Contact: Fu GK
                                                                                                                                                                                                                                                                                                                                                                                                                                          Incyte Genomics, Inc.
3160 Porter Dr., Palo Alto,
Tel: 6508454102
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56040096H1 FLP Homo sapiens cDNA,
CD6310089 GI:40278355
                                                                                                                                                                                                                                                                                                                                                                                                                              Email: gfu@incyte.com
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                                                                                                                           ATGCTAAATCTGGCCATTTCAGATCTCCTGTTCATAAGCACGCTTCCCCTTCAGGGCTGAC
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                                         TCCTTGTATGTCAACATGTACAGCAGTATTTATTTCCTGACCGTGCTGAGTGTTGTGCGT
                                                                                                                                                                                                      AAGAGAATTTTTCCCCAATTGTATATCTGATAATATTTTTCTGGGGAGTCTTGGGAAAT
TTCCTGGCAATGGTTCACCCCTTTCGGCTTCTGCATGTCACCAGCATCAGGAGTGCCTGG
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llarity 99.4%;
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/mol type="mRNA"
/db_xref="teaxon:9606"
/clone_lib="FLP"
/note="Vector: pDrive_Clo
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AUTHORS
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Eukaryota; Metazoa; Chordata; Craniata; Vert Mammalia; Eutheria; Primates; Catarrhini; Ho 1 (bases 1 to 753)
Fu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Circular rapid amplification of cDNA ends fo extension cloning of partial genes Genomics 84 (1), 205-210 (2004)
Contact: Fu GK
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56039988H FLP Homo sapiens CD630075 GI:40278341
EST.
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3160 Porter Dr., Palo Alto,
Tel: 6508454102
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                                                                                                                                                                                                                                                                                                                                               Similarity
                                                                                                                                                                                                   AAGAGAGAATTTTTCCCAATTGTATATCTGATAATATTTTTTCTGGGGAGTCTTGGGAAAAT 120
                                                                                                          GGGTTGTCCATATATGTTTTCCTGCAGCCTTATAAGAAGTCCACATCTGTGAACGTTTTC 180
                                                                                                                                                                                                                                                               ATGGAACCAAATGGCACCTTCAGCAATAACAACAGCAGGAACTGCACAATTGAAAACTTC 60
ATGCTAAATCTGGCCATTTCAGATCTCCTGTTCATAAGCACGCTTCCCTTCAGGGCTGAC
                         ATGCTAAATCTGGCCATTTCAGATCTCCTGTTCATAAGCACGCTTCCCCTTCAGGGCTGAC
                                                                            GGGTTGTCCATATATGTTTTCCTGCAGCCTTATAAGAAGTCCACATCTGTGAACGTTTTC
                                                                                                                                                           AAGAGAGAATTTTTCCCCAATTGTATATCTGATAATATTTTTTCTGGGGAGTCTTGGGAAAT
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                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone_lib="FLP"
/note="Vector: pDrive_Cloning
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
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Pred. No. 1.8e-172;
0; Mismatches 5;
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Pu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.
Circular rapid amplification of cDNA ends for high-throughput
extension cloning of partial genes
Genomics 84 (1), 205-210 (2004)
Contact: Pu GK
Incyte Genomics, Inc.
3160 Porter Dr., Palo Alto, CA 94304, USA
Tel: 6508454102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   56039996H1 FLP Homo sapiens cDNA, CD630077
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EST.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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AAGAGAGAATTTTTCCCCAATTGTATATCTGATAATATTTTTCTGGGGAGCCTTGGGAAAT 120
                                            ATGGAACCAAATGGCACCTTCAGCAATAACAACAGCAGGAACTGCACAACTGAAAAACTTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CACTCAGCATCTGTTATCTG-CTGATCATTCGGGTTCTGTTAAAAGTGGAGGTCCCAGAA 657
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                            ATGGAACCAAATGGCACCTTCAGCAATAACAACAGCAGGAACTGCACAACTGAAAACTTC
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                                                                                    Conservative
                                                                                                                                                                                                                                                        gfu@incyte.com
                                                                                                                                                /organism="Homo sapiens"
/mol type="math"
/db_xref="raxon:9606"
/clone_lib="FLP"
/note="Vector: pDrive Cloning Vector"
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1. .750
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                                                                                              62.4%;
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                                                                                 Score 619.2; DB 6;
Pred. No. 9.8e-169;
0; Mismatches 13;
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Contact: Pu GK
                                                                                                                                                                                                                                        Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 673)
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56039916H1 FLP Homo sapiens cDNA,
CD630069
CD630069.1 GI:40278335
EST.
                                                                                           Email: gfu@incyte.com.
Location/Qualifiers
                                                                                                                         Incyte Genomics, Inc.
3160 Porter Dr., Palo Alto,
Tel: 6508454102
                                                                                                                                                                                                                                                                                              Homo sapiens (human)
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/note="Vector: pDrive Cloning Vector"
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Rukaryofa; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

B 1 (bases 1 to 729)

NIH-MGC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished (1999)

Contact: Daniela S. Gerhard, Ph.D.

Office of Cancer Genomics

National Cancer Genomics

National Cancer Institute / NIH

Bldg. 31 Rm10A07 Bethesda, MD 20892

Email: cgapbe r@mail.nih.gov

Tissue Procurement: Guthrie cDNA Resource Center

cDNA Library Preparation: Guthrie cDNA Resource Center
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CONA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Agencourt Bioscience Corporation Clone distribution: MGC clone distribution information can found through the I.M.A.G.E. Consortium/LLNL at:
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Similarity 94.7%;
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CTCAGCATCTGTTATCTGCTGATCATTCGGGTTCTGTTAAAAGTGGAGGTCCCAGAATCG
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/lab host="DH10B (T1-phage-resistant)"
/clone lib="NHH MGC 146"
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/clone lib="NH MGC Libraries) and cloned by the Guthrie cDNA libraries) and cloned by the Guthrie cDNA Resource Center (www.guthrie.org/cDNA) into pcDNA3.1. For specific information on cloning sites (which vary by clone), please refer to the Guthrie ftp://image.llnl.gov.image.rearrayed_plates/IRBF.preSV.dat a. Note: this is a NIH_MGC Library."
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1 (bases 1 to 652)

Pu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.
Circular rapid amplification of cDNA ends for high-throughput extension cloning of partial genes
Genomics 84 (1), 205-210 (2004)
Contact: Fu GK
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56040008H1 FLP Homo sapiens cDNA,
CD630079
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3160 Porter Dr., Palo Alto,
Tel: 6508454102
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                                                                                                                                                                                      TATTATCTTAGAGGCTCCAATTGGATATTTGGAGACCTGGCCTGCAGGATTATGTCTTAT
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                                  ATCCTCTGTGGGATCATATGGATCCTTATCATGGCTTCCTCAATAATGCTCCTGGACAGT
                                                                                          TTCCTGGCAATGGTTCACCCCTTTCGGCTTCTGCATGTCACCAGCATCA(;GAGTGCCTGG
                                                                                                                                                  TCCTTGTATGTCAACATGTACAGCAGTATTTATTTCCTGACCGTGCTGA(;TGTTGTGCGT
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                   ATCCTCTGTGGGATCATATGGATCCTTATCATGGCTTCCTCAATAATGC::CCTGGACAGT
                                                                                                                                  TCCTTGTATGTCAACATGTACAGCAGTATTTATTTCCTGACCGTGCTGACITGTTGTGCGT
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                                                                           TTCCTGGCAATGGTTCACCCCTTTCGGCTTCTGCATGTCACCAGCATCA(GAGTGCCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           60.7%; Score 603; DB 6; Length 652; ilarity 100.0%; Pred. No. 4.9e-164; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gfu@incyte.com.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Homo sapiens"
/mol type="mRNA"
/db_xref="taxon:9606"
/clone lib="FLP"
/note="Vector: pDrive Clo
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Tel: 6508454102
Email: ~f....
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Fu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.
Circular rapid amplification of cDNA ends for high-throughput
extension cloning of partial genes
Genomics 84 (1), 205-210 (2004)
Contact: Fu GK
Incyte Genomics, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CD630087 670
56040088H1 FLP Homo sapiens
CD630087.1 GI:40278353
EST.
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Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Email: gfu@incyte.com.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                      h 60.4%;
Similarity 99.7%;
11; Conservative
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                                                                                                                                                                                                                                                                                                                               ATGGAACCAAATGGCACCTTCAGCAATAACAACAGCAGGAACTGCACAATTGAAAACTTC
TTCCTGGCAATGGTTCACCCCTTTCGGCTTCTGCATGTCACCAGCATCAGGAGTGCCTGG
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                                                                          TCCTTGTATGTCAACATGTACAGCAGTATTTATTTCCTGACCGTGCTGAGTGTTGTGCGT
                                                                                                                       TATTATCTTAGAGGCTCCAATTGGATATTTGGAGACCTGGCCTGCAGGATTATGTCTTAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
/mol_type="mRNA"
/db xref="taxon:9606"
/clone_lib="FLP"
/note="Vector: pDrive Cloning Vector"
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Pred. No. 5.5e-163;
0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                          Fu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L. Circular rapid amplification of cDNA ends for high-thro extension cloning of partial genes Genomics 84 (1), 205-210 (2004)

Contact: Fu GK
                                                                                                                                                                                                                                                                                                                                                                          3160 Porter Dr., Palo Alto, Tel: 6508454102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 663)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   56040016H1 FLP Homo sapiens cDNA, CD630081 GI:40278347
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                                                                                                                                   AAGAGAGAATTTTTCCCAATTGTATATCTGATAATATTTTTCTGGGGAGTCTTGGGAAAT
                TATTATCTTAGAGGCTCCAATTGGATATTTGGAGACCTGGCCTGCAGGATTATGTCTTAT
                                                           ATGCTAAATCTGGCCATTTCAGATCTCCTGTTCATAAGCACGCTTCCCTTCAGGGCTGAC
                                                                                                        GGGTTGTCCATATATGTTTTCCTGCAGCCTTATAAGAAGTCCACATCTGTGAACGTTTTC
                                                                                                                                                                                                   ATGGAACCAAATGGCACCTTCAGCAATAACAACAGCAGGAACTGCACAATTGAAAACTTC
                                             ATGCTAAATCTGGCCATTTCAGATCTCCTGTTCATAAGCACGCTTCCCCTTCAGGGCTGAC
                                                                                         GGGTTGTCCATATATGTTTTCCTGCAGCCTTATAAGAAGTCCACATCTGTGAACGTTTTC
                                                                                                                                                   AAGAGAGAATTTTTCCCAATTGTATATCTGATAATATTTTTTCTGGGGAGTCTTTGGGAAAT
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  TATTATCTTAGAGGCTCCAATTGGATATTTGGAGACCTGGCCTGCAGGATTATGTCTTAT
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                                                                                                                                                                                                                             Conservative
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                                                                                                                                                                                                                                                                                                                                                               gtu@incyte.com.
                                                                                                                                                                                                                                                                                /mol_type="mRNA"
/db_xref="taxon:9606"
/clone_lib="FLP"
/note="Vector: pDrive (
                                                                                                                                                                                                                                                                                                                  /organism="Homo sapiens"
/mol_type="mRNA"
                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                       60.1%;
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                                                                                                                                                                                                                                       Score 596.8; DB 6;
Pred. No. 3.2e-162;
                                                                                                                                                                                                                                                                                  pDrive Cloning
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                                            289
                                                                  240
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AUTHORS
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 682)
Fu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.
Circular rapid amplification of cDNA ends for high-throughput
extension cloning of partial genes
Genomics 84 (1), 205-210 (2004)
Contact: Fu GK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Incyte Genomics, Inc.
3160 Porter Dr., Palo Alto,
Tel: 6508454102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Email: gfu@incyte.com
                                                                                                                                                                                                                                                                                                                                                 Similarity
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ATGCTAAATCTGGCCATTTCAGATCTCCTGTTCATAAGCACGCTTCCCTTCAGGGCTGAC
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone_lib="FLP"
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                                                                                                                                           Bource
                                                                                                                                                                            Contact: Daniela S. Gerhard, Ph.D.
Contact: Daniela S. Gerhard, Ph.D.
Office of Cancer Genomics
National Cancer Institute / NIH
Bldg. 31 Rm10A07 Bethesda, MD 20892
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: GPCR Consortium
cDNA Library Preparation: GPCR Consortium
cDNA Library Preparation: GPCR Consortium
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: IRBI02 row: f column: 05
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NIH-MGC http://mgc.nci.nih.gov/
National Institutes of Health, 1
Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                   quality sequence stop: 659.
                                                      /organisme"Homo sapiens"
/mol type="mRNA"
/db_xref="taxon:9606"
/clone="MAGE:6971946"
/tissue_type="mixed"
/lab_host="DH108"
/clone lib="NIH MGC 145"
/note="Vector: pcDNA3.1; Site 1: varies by clone; Site 2: varies by clone; ORPs were PCR-amplified and cloned into pcDNA3.1 by the GPCR Consortium. Cloning sites vary by
                                                                                                                                                      Location/Qualifiers
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GGCTCTGAGCAGAACGGCAGTGTCACATCATGCTTAGAGCTGAATCTCTATAAAATTGCT
                                                                                               ATCCTCTGTGGGATCATATGGATCCTTATCATGGCTTCCTCAATAATGCTCCTGGACAGT
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Pred. No. 6e-153;
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Homo sapiens
Eukaryota; Metazoa; C
Mammalia; Eutheria; E
Masses 1 to 633) CD630066 56039816R6 I CD630066 CD630066.1 EST. Fu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L. Circular rapid amplification of cDNA ends for high-thro extension cloning of partial genes Genomics 84 (1), 205-210 (2004)

Contact: Fu GK Incyte Genomics, 3160 Porter Dr., Tel: 6508454102 GI:40278332 FLP Homo sapiens Inc. Palo Alto, Chordata; Primates; 633 bp ens cDNA, Ç Craniata; Vertebrata; Catarrhini; Hominidae; mRNA sequence. USA Euteleostomi; EST 12-JAN-2004

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Best Local Similarity
Matches 554; Conserva
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Location/Qualifiers
TAAGCTGCAGACCAT 604
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                 TAAGCTGCAGACCAT 554
                                                                GGCTCTGAGCAGAACGGCAGTGTCACATCATGCTTAGAGC-TGAATCTCTATAAAATTGC 539
                                                                                                                  ATCCTCTGTGGGATCATATGGATCCTTATCATGGCTTCCTCAATAATGCTTCCTGGACAGT 480
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          54.7%; Score 543; DB 6; Length 63 ilarity 99.8%; Pred. No. 1.5e-146; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Homo sapiens"
/mol type="mRNA"
/db xref="taxon:9606"
/clone_lib="FLP"
/note="Vector: pDrive Cloning Vector"
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Search completed: March 20, 2005, 02:52:30 Job time: 3872.5 secs

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Title:
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Listing first 80 summaries
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No matches found
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Score Match Length DB
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1: pir1:*
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1 MEPNGTFSNNNSRNCTIENF......KAKTKCVFPVSVWLRKETRV 330
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Copyright (c) 1993 - 2005 Compugen Ltd.
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Search completed: April 1, 2005, 12:01:38 Job time: 44 secs

